					ENT OF N	OF UTAH ATURAL RES GAS AND M					AMENDED R	FORM 3		
		APPLIC	CATION FOR F	PERMIT TO DE	RILL				1. WELI	NAME and N Prickly	UMBER Pear UF 10-80)-12-15		
2. TYPE OF	2. TYPE OF WORK DRILL NEW WELL (REENTER P&A WELL) DEEPEN WELL (L 🗀			3. FIEL	O OR WILDCA	. T NDESIGNATE)			
4. TYPE OF		Gas We		d Methane Well:		-0			5. UNIT	or COMMUN		GREEME	NT NAME	
6. NAME O	F OPERATOR	045 110	BILL BARRET		10				7. OPEF	RATOR PHONE				
8. ADDRES	S OF OPERATOR			0, Denver, CO, 80)202				9. OPEF	RATOR E-MAII				
	AL LEASE NUME INDIAN, OR ST	BER		11. MINERAL O	WNERSHIE	· ~	٠.		12. SURFACE OWNERSHIP					
13. NAME		73006 /NER (if box 12 :	= 'fee')	FEDERAL (III)	INDIAN (_) STATE() [EE	FEDERA 14. SUF	AL (III) INDI		ATE ()	FEE	
15. ADDRE	SS OF SURFACE	OWNER (if box	12 = 'fee')						16. SUF	RFACE OWNER	RE-MAIL (if	oox 12 =	= 'fee')	
17. INDIA	N ALLOTTEE OR	TRIRE NAME		18. INTEND TO		LE PRODUCT	ION FF	ROM	19. SLA	NT				
	= 'INDIAN')			MULTIPLE FORM YES (Subr		gling Application	on) N	10 📵	VERTICA					
20. LOCA	TION OF WELL		FOC	TAGES	Q	TR-QTR	SE	CTION	то	WNSHIP	RANGE		MERIDIAN	
LOCATIO	N AT SURFACE		512 FSI	L 960 FEL		SESE		8	1	12.0 S	15.0 E		S	
Top of Up	permost Produc	ing Zone		L 1885 FEL	-	NWSE		8	1	12.0 S	15.0 E		S	
At Total D				L 1885 FEL		NWSE		8		12.0 S		15.0 E S		
21. COUNT		RBON		22. DISTANCE T	1	996			23. NUMBER OF ACRES IN DRILLING UNIT 40					
				25. DISTANCE T (Applied For Dr	lling or Co		AME P	OOL	26. PROPOSED DEPTH MD: 8151 TVD: 7685					
27. ELEVA	TION - GROUND			28. BOND NUME					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVALE NUMBER IF APPLICABLE					
	7	7259		Hole, Casi		000040 Cement Info	ormat	ion	Nine Mile Creek					
String	Hole Size	Casing Size	Length	Weight		& Thread		Max Mud	Wt.	Cement	Sacks	Yield	Weight	
Cond	24	14	0 - 40	65.0	Ur	nknown		0.0		Unknown	0	0.0	0.0	
Conf	12.25	0.625	0 1000	26.0	1.5	E CTO C	-	0.0		Unknown	0	0.0	0.0	
Surf	12.25	9.625	0 - 1000	36.0	J-5	55 ST&C	+	0.0		Unknown Unknown	0	0.0	0.0	
Prod	8.75	4.5	0 - 8151	11.6	P-1	10 LT&C	+	0.0		Unknown	0	0.0	0.0	
										Unknown	0	0.0	0.0	
					ATTAC	HMENTS								
	VERIFY THE	FOLLOWING A	ARE ATTACHE	D IN ACCORE	ANCE W	ITH THE UT	ан о	IL AND G	AS CO	NSERVATIO	N GENERA	L RULE	s	
W E	LL PLAT OR MAP	PREPARED BY I	LICENSED SURV	EYOR OR ENGI	NEER	сомі	PLETE	DRILLING	PLAN					
AFF	IDAVIT OF STAT	US OF SURFACE	OWNER AGREE	MENT (IF FEE S	URFACE)	FORM	1 5. IF	OPERATOR	R IS OTH	IER THAN THE	LEASE OWI	IER		
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY			RECTIONALLY O	R HORIZONTAL	LY	г торо	GRAPI	HICAL MAF)					
NAME Brady Riley				TITLE Permit A	nalyst	<u> </u>		PHONE 3	03 312-8	115				
SIGNATURE				DATE 04/06/2			-			parrettcorp.com	า			
	BER ASSIGNED 0750145000	00		APPROVAL				B	J) J)	JLL				
								Pe	rmit Ma	nager				

DRILLING PROGRAM

BILL BARRETT CORPORATION Prickly Pear Unit Federal 10-8D-12-15

SESE, 512' FSL, 960' FEL, Sec. 8, T12S-R15E (surface hole) NWSE, 1999' FSL, 1885' FEL, Sec. 8, T12S-R15E (bottom hole) Carbon County, Utah

1 – 2. <u>Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals</u>

<u>Formation</u>	Depth – MD	<u>Depth – TVD</u>
Green River	Surface	Surface
Wasatch	2977'*	2760'*
North Horn	5196'*	4730'*
Dark Canyon	7011'*	6545'*
Price River	7316'*	6850'*
TD	8151'*	7685'*

PROSPECTIVE PAY: *Members of the Mesaverde formation and Wasatch formation (inclusive of the North Horn) are primary objectives for oil/gas. Any shallow water zones encountered will be adequately protected and reported. All potentially productive hydrocarbon zones will be cemented off.

3. BOP and Pressure Containment Data

Depth Intervals	BOP Equipment					
0 – 1000'	No pressure control required					
1000' – TD	11" 3000# Ram Type BOP					
11" 3000# Annular BOP						
- Drilling spool to a	accommodate choke and kill lines;					
- Ancillary equipme	ent and choke manifold rated at 3,000#. All BOP and BOPE tests will be in					
accordance with the requirements of onshore Order No. 2;						
- The BLM and the	- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in					
advance of all BOP pressure tests.						
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up						
to operate most ef	ficiently in this manner.					

Bill Barrett Corporation Drilling Program Prickly Pear Unit Federal 10-8D-12-15 Carbon County, Utah

4. <u>Casing Program</u>

Hole Size	Setting Depth		Casing	Casing	Casing	Thread	Condition
	<u>From</u>	<u>To</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>		
24"	Surface	40'	14"	65#			
12 1/4"	Surface	1000'	9 5/8"	36#	Jor K 55	ST&C	New
8 3/4" and	Surface	TD'	5 ½"	17.0#	I-100	LT&C	New
7 7/8"			4 1/2"	11.6#	N -80	LT&C	New

Note: BBC will use one of the options of production casing size noted above. Casing grade for each option could be I-100, P-110 or I-80. In addition, the 7 7/8" hole size will begin at the point the bit is changed.

5. <u>Cementing Program</u>

16" Conductor Casing	Grout cement				
9 5/8" Surface Casing	Lead with approximately 170 sx Varicem cement +				
	additives mixed at 12.0 ppg (yield = $2.53 \text{ ft}^3/\text{sx}$).				
	Tail with approximately and 190 sx Halcem cement with				
	additives mixed at 15.8 ppg (yield = $1.16 \text{ ft}^3/\text{sx}$) circulated				
	to surface with 100% excess.				
5 ½" Production Casing	Lead with approximately 320 sx (4 ½" csg) or 260 sx (5 ½"				
	csg) of Halliburton Light Premium cement with additives				
OR	mixed at 12.5 ppg (yield = $1.96 \text{ ft}^3/\text{sx}$).				
4 ½" Production Casing	Tail with approximately 1380 sx (4 ½" csg) or 1140 sx (5				
	½" csg) of 50/50 Poz cement + additives mixed at 13.4 ppg				
	(yield = $1.45 \text{ ft}^3/\text{sk}$), circulated to ~ 800 ' with 15% excess.				
Note: Actual volumes to be calcula	ted from caliper log.				

6. Mud Program

<u>Interval</u>	Weight	Viscosity	Fluid Loss (API filtrate)	Remarks
0 – 40'	8.3 - 8.6	27 – 40		Native Spud Mud
40' - 1000'	8.3 - 8.6	27 - 40	15 cc or less	Native/Gel/Lime
1000' – TD	8.6 - 9.5	38 - 46	15 cc or less	LSND/DAP

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. <u>Testing, Logging and Core Programs</u>

Cores	None anticipated;
Testing	None anticipated;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips, slope only;
Logging	DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

Bill Barrett Corporation Drilling Program Prickly Pear Unit Federal 10-8D-12-15 Carbon County, Utah

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4027 psi* and maximum anticipated surface pressure equals approximately 2234 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A - (0.22 x TD)

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

10. Drilling Schedule

Location Construction: Complete (Adjacent to Existing Wells)

Spud: 5/9/2011

Duration: 10 days drilling time

15 days completion time

Other - Onshore Variances Requested

Use of EFM and Flow Conditioner (Onshore Order No. 5)

Use of an electronic flow meter (EFM) for gas measurement purposes is requested with this application.

Use of a flow conditioner is also being requested (versus straightening vanes). Flow conditioners have been proven to be as or more effective than straightening vanes in conditioning gas for measurement. In addition to their superior conditioning properties, they take up less space (shorter meter runs/smaller footprint), and are less prone to corrosion and dislodging (greater reliability). In the past BBC has experienced straightening vanes becoming dislodged in normal service and compromising their conditioning effectiveness.

Make/Model: CPA 50E

Dimensions: 2" or 3" Flanged conditioners - 16" minimum up to 3 1/2' long x 2" (ID 2.067) OR 24" minimum up to 3 1/2' long x 3" (ID 3.068)

Air Drilling (Onshore Order No. 2)

Air drilling operations will be conducted with the purpose of drilling and setting surface casing with a truck mounted air rig, for all Federal wells located at this pad. Surface casing is approximately 1000'. Bill Barrett Corporation will comply with the following surface air drilling operation requirements:

- 1. Properly lubricated and maintained diverter system in place of a rotating head. The diverter system forces air and cutting returns to the cuttings pit and is used solely to drill the surface hole. In addition, BBC will use a properly lubricated and maintained rotating head in compliance with OOG No. 2.
- 2. The Blooie line will discharge at least 100 feet from the wellbore and will be securely anchored.
- 3. An automatic igniter or continuous pilot light will be installed at the end of the blooie line.
- 4. Compressors that supply energy to drill the air filled surface hole will be located 100' away from the wellbore and on the opposite side of the blooie line. The compressors will be equipped with 1) emergency kill switch, 2) pressure relief valves 3) spark arresters on the motors.

PRESSURE CONTROL EQUIPMENT - Schematic Attached

- A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:
 - 1. One (1) blind ram (above).
 - 2. One (1) pipe ram (below).
 - 3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
 - 4. 3-inch diameter choke line.
 - 5. Two (2) choke line valves (3-inch minimum).
 - 6. Kill line (2-inch minimum).
 - 7. Two (2) chokes.
 - 8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
 - 9. Upper kelly cock valve with handles available.
 - 10. Safety valve(s) & subs to fit all drill string connections in use.
 - 11. Pressure gauge on choke manifold.
 - 12. Fill-up line above the uppermost preventer.

B. Pressure Rating: 3,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

- 1. When the annular preventer is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yieldstrength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirmentsof the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the Onshore Oil & Gas Order Number 2.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

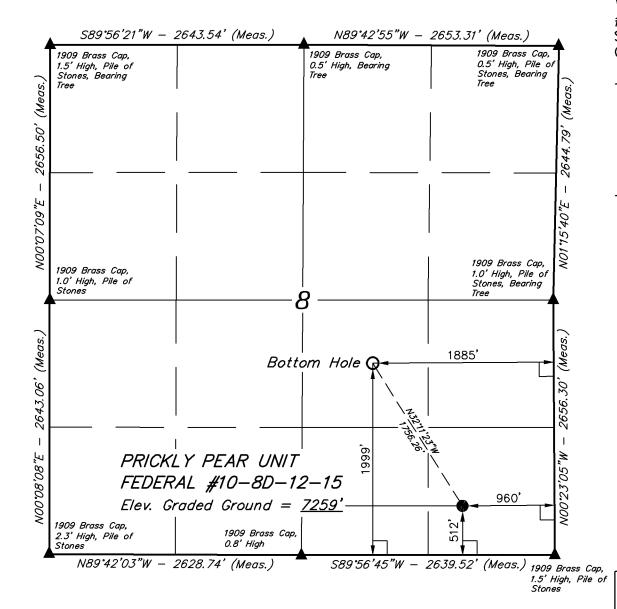
Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Oil & Gas Order Number 2. The choke manifold will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

T12S, R15E, S.L.B.&M.



LEGEND:

__ = 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)	۱۶
	LATITUDE = 39'46'56.53" (39.782369)	
LONGITUDE = 110'15'29.02" (110.258061)	LONGITUDE = 110°15'17.02" (110.254728)	┢
NAD 27 (TARGET BOTTOM HOLE)		ľ
LATITUDE = 39'47'11.33" (39.786480)	LATITUDE = 39°46'56.65" (39.782403)	L
LONGITUDE = 110'15'26.46" (110.257351)	LONGITUDE = 110°15'14.46" (110.254017)	٧
STATE PLANE NAD 27	STATE PLANE NAD 27	
N: 531699.38 E: 2349189.18	N: 530227.80 E: 2350146.39	L
		_

BILL BARRETT CORPORATION

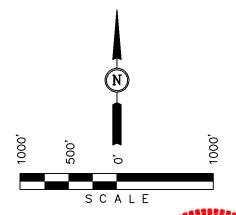
Well location, PRICKLY PEAR UNIT FEDERAL #10-8D-12-15, located as shown in the SE 1/4 SE 1/4 of Section 8, T12S, R15E, S.L.B.&M., Carbon County, Utah.

BASIS OF ELEVATION

COTTON TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7386 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PART WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MAD BY ME OR UNDER MY SUPERVISION AND THAT THE SAME AND TRUE AND GORREGO TO BEST OF MY KNOWLEDGE AND BELIEF

REGISTER DO NO 161319
STATE OF STATE OF

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	03-07-11	03-08-11
PARTY	REFERENCES	
T.A. K.D. C.C.	G.L.O. PLAT	•
WEATHER	FILE	
НОТ	BILL BARRET	CORPORATION

PRICKLY PEAR UNIT FEDERAL #16A-8D-12-15, #15A-8D-12-15, #2A-17D-12-15, #10-8D-12-15, #9-8D-12-15, #12-9D-12-15, #13A-9D-12-15 & #13-9D-12-15

LOCATED IN CARBON COUNTY, UTAH **SECTION 8, T12S, R15E, S.L.B.&M.**

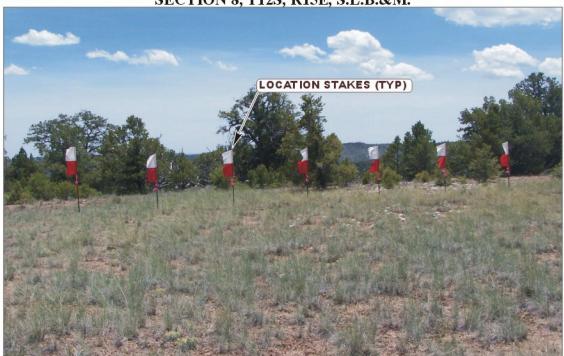


PHOTO: VIEW OF LOCATION STAKES

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



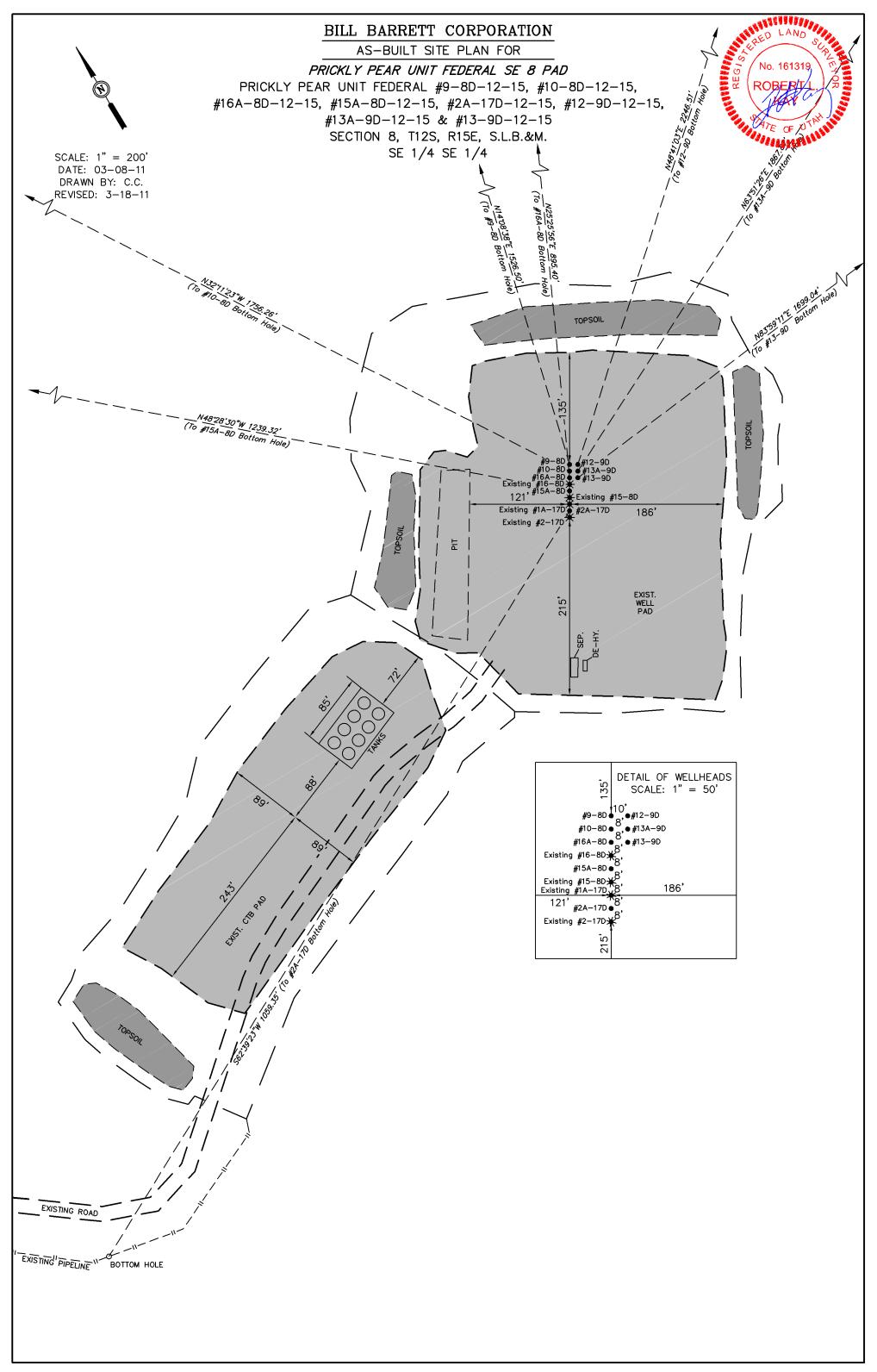
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 (435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

MONTH DAY

РНОТО YEAR

TAKEN BY: T.A. DRAWN BY: C.C. REVISED: 03-18-11

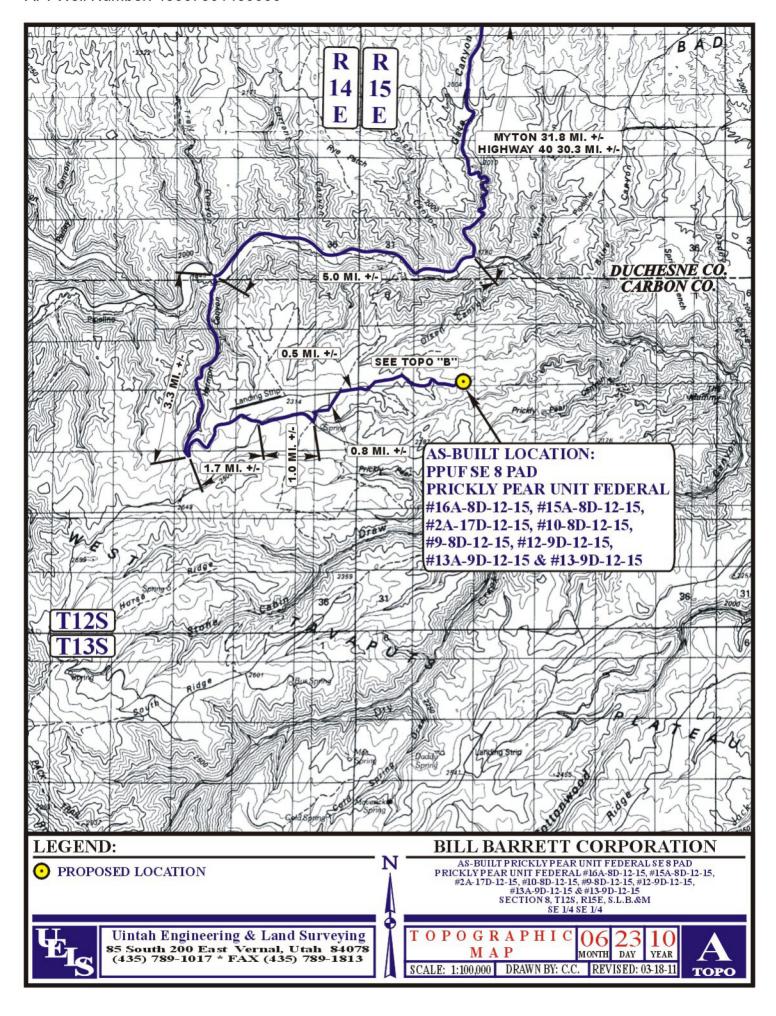


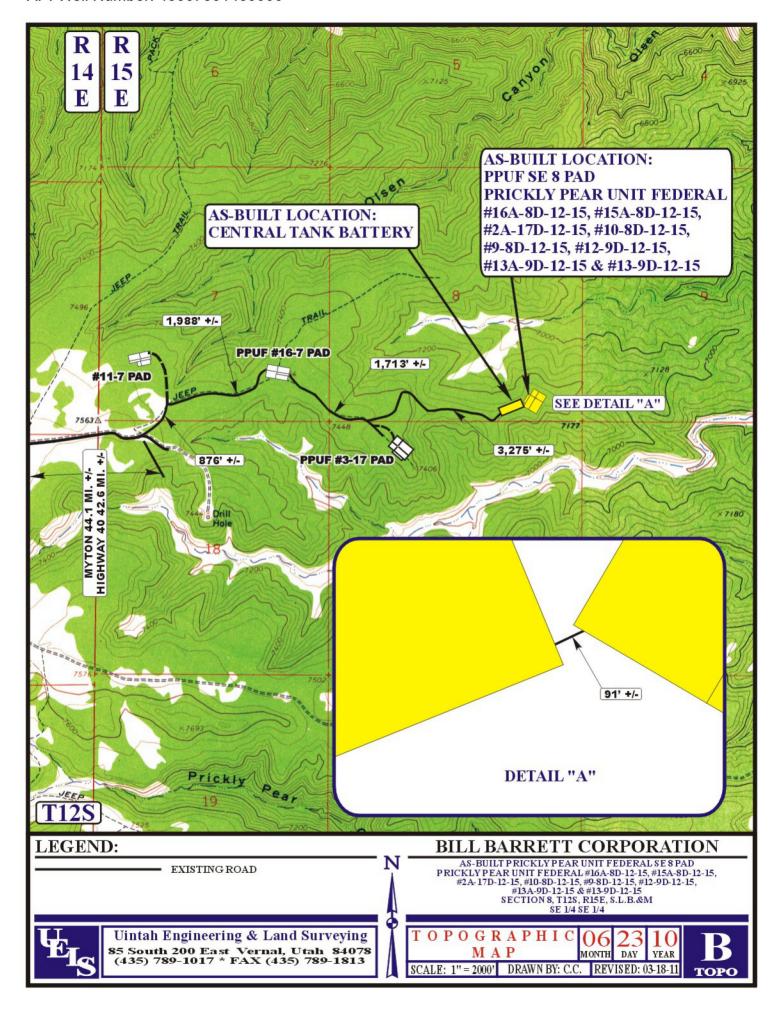
BILL BARRETT CORPORATION

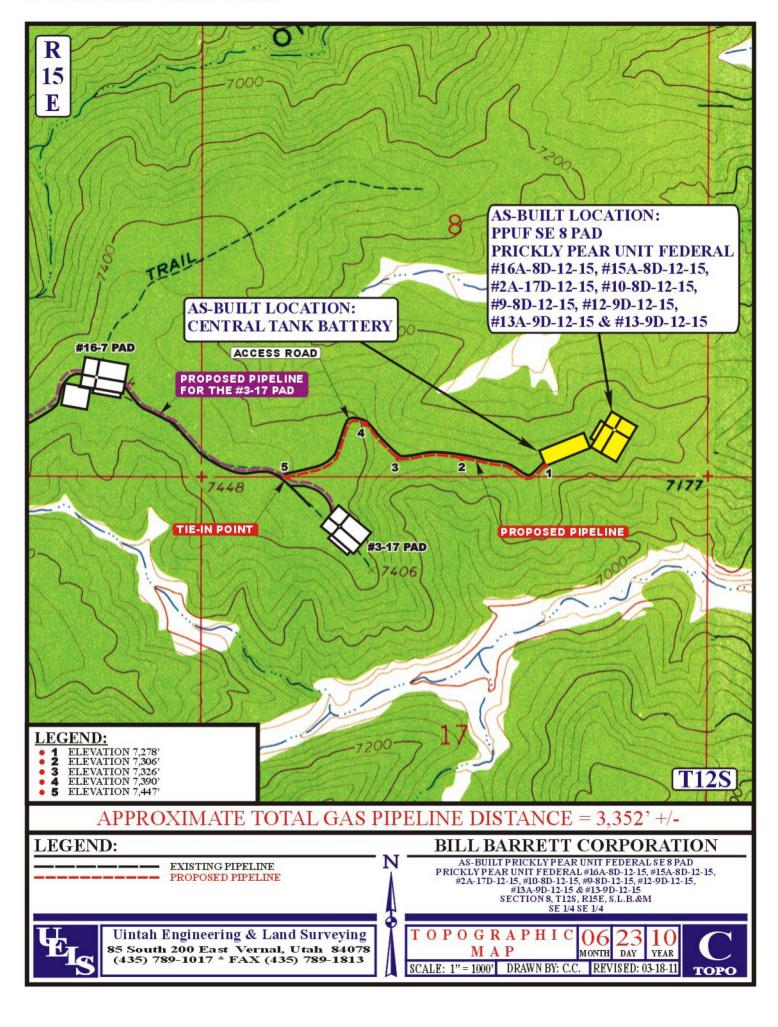
AS-BUILT PRICKLY PEAR UNIT FEDERAL SE 8 PAD PRICKLY PEAR UNIT FEDERAL #16A-8D-12-15, #15A-8D-12-15, #2A-17D-12-15, #10-8D-12-15, #9-8D-12-15, #12-9D-12-15, #13A-9D-12-15 & #13-9D-12-15 SECTION 8, T12S, R15E, S.L.B.&M.

PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 28.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE TURN LEFT AND PROCEED IN A SOUTHERLY SOUTH: DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST: TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #11-7 PAD TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE EXISTING #16-7 PAD LOCATION; PROCEED IN A SOUTHEASTERLY DIRECTION ON THE EXISTING ROAD APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE EXISTING CENTRAL TANK BATTERY LOCATION, CONTINUE TO PROCEED IN A NORTHEASTERLY DIRECTION 91' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 43.8 MILES.









Bill Barrett Corp.

Carbon County, UT [NAD27]
Prickly Pear SE 8 Pad
Prickly Pear UF 10-8D-12-15

Wellbore #1

Plan: plan1 25mar11 smw

Standard Planning Report

25 March, 2011



WELL DETAILS: Prickly Pear UF 10-8D-12-15

US State Plane 1927 (Exact solution) , Utah Central 4302 , NAD 1927 (NADCON CONUS)

Ground Level: 7259.00

+N/-S +E/-W Northing Easting Latitude Longitude 0.00 0.00 530227.40 2350146.39 39° 46' 56.65 N 110° 15' 14.46 W



750

2250

3000

3750

True Vertical Depth (1500 ft/in)

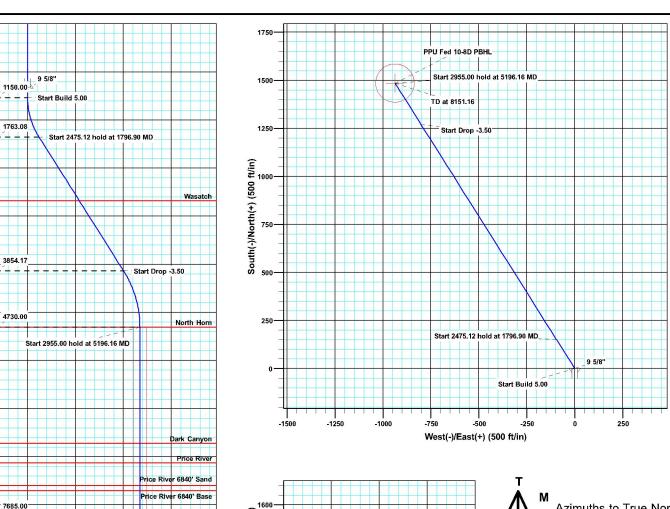
6000

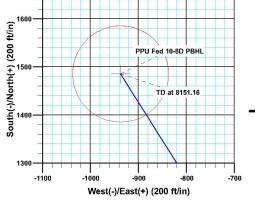
6750

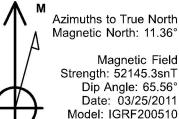
7500

8250

9000







ECTION	DETAILS

TD at 8151.16

2250

PPU Fed 10-8D PBHL

1500

Vertical Section at 327.75° (1500 ft/in)

750

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1150.00	0.000	0.00	1150.00	0.00	0.00	0.00	0.00	0.00	
1796.90	32.345	327.75	1763.08	150.37	-94.87	5.00	327.75	177.80	
4272.02	32.345	327.75	3854.17	1270.33	-801.46	0.00	0.00	1502.02	
5196.16	0.000	0.00	4730.00	1485.14	-936.99	3.50	180.00	1756.02	PPU Fed 10-8D Target
8151.16	0.000	0.00	7685.00	1485.14	-936.99	0.00	0.00	1756.02	PPU Fed 10-8D PBHL



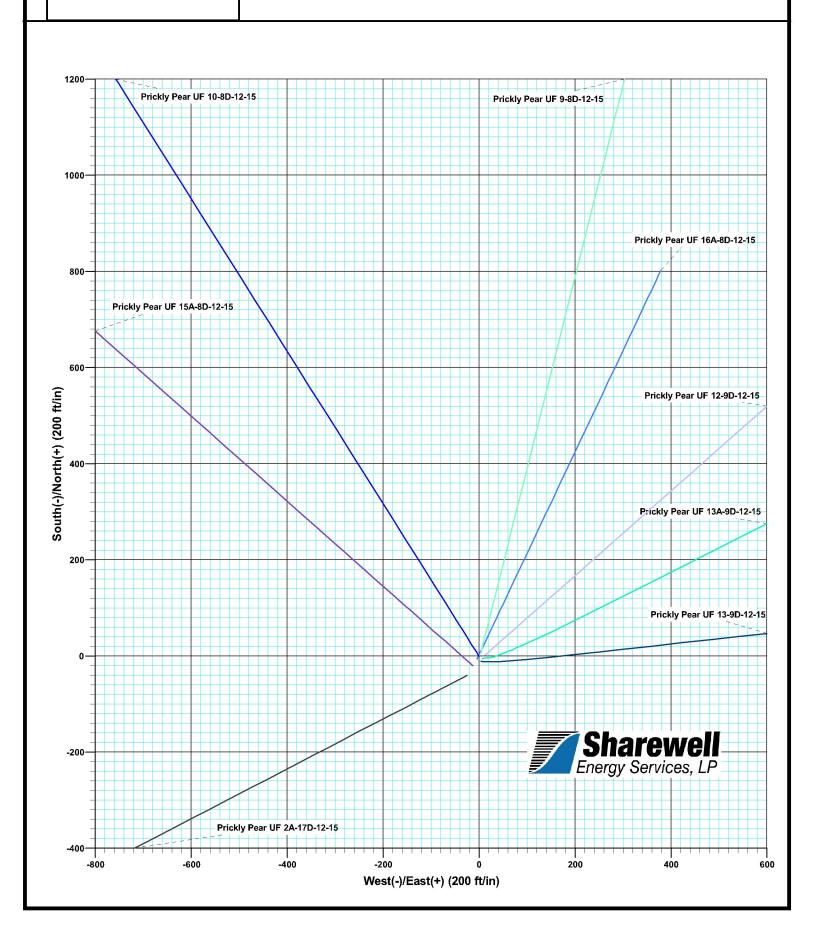
Bill Barrett Corporation

WELL DETAILS: Prickly Pear SE 8 Pad

US State Plane 1927 (Exact solution) , Utah Central 4302 , NAD 1927 (NADCON CONUS)

Ground Level: 7259.00

Fasting Latittude +N/-S +E/-W Northing Longitude 0.00 0.00 530227.40 2350146.39 39° 46' 56.65 N 110° 15' 14.46 W





Sharewell

Planning Report



Database: Company: Compass VM

Bill Barrett Corp.

 Project:
 Carbon County, UT [NAD27]

 Site:
 Prickly Pear SE 8 Pad

 Well:
 Prickly Pear UF 10-8D-12-15

Wellbore: Wellbore #1

Design: plan1 25mar11 smw

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Prickly Pear UF 10-8D-12-15

GL @ 7259.00ft GL @ 7259.00ft

True

Minimum Curvature

Project

Carbon County, UT [NAD27]

Map System:US State Plane 1927 (Exact solution)Geo Datum:NAD 1927 (NADCON CONUS)

Map Zone: Utah Central 4302

System Datum:

Mean Sea Level

Using geodetic scale factor

Site

From:

Site Position:

Prickly Pear SE 8 Pad

N Lat/Long E

Northing: Easting: 530,186.64 usft 2,350,121.95 usft

Latitude: Longitude: Grid Convergence: 39° 46' 56.25 N 110° 15' 14.78 W

0.80°

Position Uncertainty: 0.00 ft Slot Radius: 1.10 ft Grid Convergence:

Well Prickly Pear UF 10-8D-12-15

Well Position +N/-S +E/-W

40.42 ft 25.01 ft Northing: Easting: 530,227.40 usft 2,350,146.40 usft Latitude: Longitude: 39° 46' 56.65 N 110° 15' 14.46 W

 Position Uncertainty
 0.00 ft
 Wellhead Elevation:
 Ground Level:
 7,259.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	03/25/11	11.36	65.56	52,145

plan1 25mar11 smw Design Audit Notes: Version: Phase: **PROTOTYPE** Tie On Depth: 0.00 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.00 0.00 327.75 0.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,150.00	0.000	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,796.90	32.345	327.75	1,763.08	150.37	-94.87	5.00	5.00	0.00	327.75	
4,272.02	32.345	327.75	3,854.17	1,270.33	-801.46	0.00	0.00	0.00	0.00	
5,196.16	0.000	0.00	4,730.00	1,485.14	-936.99	3.50	-3.50	0.00	180.00	PPU Fed 10-8D Targe
8,151.16	0.000	0.00	7,685.00	1,485.14	-936.99	0.00	0.00	0.00	0.00	PPU Fed 10-8D PBHI



Sharewell Planning Report



Database: Company: Project:

Site:

Well:

Compass VM Bill Barrett Corp.

Carbon County, UT [NAD27] Prickly Pear SE 8 Pad Prickly Pear UF 10-8D-12-15

Wellbore: Wellbore #1

Design: plan1 25mar11 smw

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Prickly Pear UF 10-8D-12-15

GL @ 7259.00ft GL @ 7259.00ft

True

Minimum Curvature

sign:		plan1 25mar11	smw							
anned Surv	/ey									
De	sured pth ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,	,150.00	0.000	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00
Star	rt Build 5.0	0								
,	,200.00 ,300.00	2.500 7.500	327.75 327.75	1,199.98 1,299.57	0.92 8.29	-0.58 -5.23	1.09 9.80	5.00 5.00	5.00 5.00	0.00 0.00
1,	400.00	12.500	327.75	1,398.02	22.97	-14.49	27.16	5.00	5.00	0.00
1,	500.00	17.500	327.75	1,494.58	44.86	-28.30	53.04	5.00	5.00	0.00
1,	,600.00	22.500	327.75	1,588.52	73.77	-46.54	87.23	5.00	5.00	0.00
1,	,700.00	27.500	327.75	1,679.12	109.50	-69.09	129.48	5.00	5.00	0.00
1,	,796.90	32.345	327.75	1,763.08	150.37	-94.87	177.80	5.00	5.00	0.00
Star	rt 2475.12 ł	nold at 1796.90	MD							
1,	,800.00	32.345	327.75	1,765.70	151.77	-95.76	179.46	0.00	0.00	0.00
1,	,900.00	32.345	327.75	1,850.19	197.02	-124.30	232.96	0.00	0.00	0.00
2,	,000.00	32.345	327.75	1,934.67	242.27	-152.85	286.46	0.00	0.00	0.00
2,	,100.00	32.345	327.75	2,019.16	287.52	-181.40	339.96	0.00	0.00	0.00
	200.00	32.345	327.75	2,103.64	332.77	-209.95	393.46	0.00	0.00	0.00
	,300.00	32.345	327.75	2,188.12	378.02	-238.50	446.96	0.00	0.00	0.00
	400.00	32.345	327.75	2,272.61	423.27	-267.04	500.47	0.00	0.00	0.00
	,500.00	32.345	327.75	2,357.09	468.51	-295.59	553.97	0.00	0.00	0.00
	,600.00	32.345	327.75	2,441.58	513.76	-324.14	607.47	0.00	0.00	0.00
2,	,700.00	32.345	327.75	2,526.06	559.01	-352.69	660.97	0.00	0.00	0.00
2.	.800.00	32.345	327.75	2,610.55	604.26	-381.23	714.47	0.00	0.00	0.00
	900.00	32.345	327.75	2,695.03	649.51	-409.78	767.97	0.00	0.00	0.00
	976.90	32.345	327.75	2,760.00	684.31	-431.74	809.12	0.00	0.00	0.00
	satch	02.010	021.10	2,7 00.00	00 1.0 1	101.71	000.12	0.00	0.00	0.00
	,000.00	32.345	327.75	2,779.51	694.76	-438.33	821.47	0.00	0.00	0.00
	,100.00	32.345	327.75	2,864.00	740.01	-466.88	874.98	0.00	0.00	0.00
	,200.00	32.345	327.75	2,948.48	785.25	-495.43	928.48	0.00	0.00	0.00
	,300.00	32.345	327.75	3,032.97	830.50	-523.97	981.98	0.00	0.00	0.00
3,	,400.00	32.345	327.75	3,117.45	875.75	-552.52	1,035.48	0.00	0.00	0.00
3,	,500.00	32.345	327.75	3,201.94	921.00	-581.07	1,088.98	0.00	0.00	0.00
3,	,600.00	32.345	327.75	3,286.42	966.25	-609.62	1,142.48	0.00	0.00	0.00
3	700.00	32.345	327.75	3,370.90	1,011.50	-638.16	1,195.98	0.00	0.00	0.00
	,700.00	32.345	327.75	3,455.39	1,056.74	-666.71	1,249.49	0.00	0.00	0.00
	,900.00	32.345	327.75	3,539.87	1,101.99	-695.26	1,302.99	0.00	0.00	0.00
	,000.00	32.345	327.75	3,624.36	1,147.24	-723.81	1,356.49	0.00	0.00	0.00
	,100.00	32.345	327.75	3,708.84	1,192.49	-752.36	1,409.99	0.00	0.00	0.00
	,200.00	32.345	327.75	3,793.33	1,237.74	-780.90	1,463.49	0.00	0.00	0.00
	,272.02	32.345	327.75	3,854.17	1,270.33	-801.46	1,502.02	0.00	0.00	0.00
	rt Drop -3.5		007.75	0.077.04	4 000 00	000.04	4.540.70	2 = 2		2.22
	,300.00	31.366	327.75	3,877.94	1,282.82	-809.34	1,516.79	3.50	-3.50	0.00
	,400.00	27.866	327.75	3,964.86	1,324.60	-835.71	1,566.20	3.50	-3.50	0.00
4,	,500.00	24.366	327.75	4,054.64	1,361.83	-859.19	1,610.21	3.50	-3.50	0.00
4.	,600.00	20.866	327.75	4,146.93	1,394.34	-879.71	1,648.66	3.50	-3.50	0.00
	700.00	17.366	327.75	4,241.40	1,422.04	-897.18	1,681.40	3.50	-3.50	0.00
	.800.00	13.866	327.75	4,337.70	1,444.80	-911.54	1,708.32	3.50	-3.50	0.00
	900.00	10.366	327.75	4,435.45	1,462.55	-922.74	1,729.30	3.50	-3.50	0.00
	,000.00	6.866	327.75	4,534.31	1,475.21	-930.73	1,744.28	3.50	-3.50	0.00
	,100.00	3.366	327.75	4,633.90	1,482.75	-935.49	1,753.20	3.50	-3.50	0.00
	,196.16	0.000	0.00	4,730.00	1,485.14	-936.99	1,756.02	3.50	-3.50	0.00
				rn - PPU Fed 10	•	23,000,000,000		200	Par 251979	900 900 0
5,	,200.00	0.000	0.00	4,733.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
				4 0 2 2 0 4		020 00	4 750 00	0.00	0.00	0.00
	,300.00 ,400.00	0.000 0.000	0.00 0.00	4,833.84 4,933.84	1,485.14 1,485.14	-936.99 -936.99	1,756.02 1,756.02	0.00 0.00	0.00	0.00



Sharewell Planning Report



Database: Company: Project:

Site:

Well:

Compass VM Bill Barrett Corp.

Carbon County, UT [NAD27]
Prickly Pear SE 8 Pad
Prickly Pear UF 10-8D-12-15

Wellbore: Wellbore #1

Design: plan1 25mar11 smw

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Prickly Pear UF 10-8D-12-15

GL @ 7259.00ft GL @ 7259.00ft

True

Minimum Curvature

ned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,500.00	0.000	0.00	5,033.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
5,600.00	0.000	0.00	5,133.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
5,700.00	0.000	0.00	5,233.84	1,485.14	-936.99	1.756.02	0.00	0.00	0.00
5.800.00	0.000	0.00	5.333.84	1,485.14	-936.99	1.756.02	0.00	0.00	0.00
5,900.00	0.000	0.00	5,433.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
5,900.00	0.000	0.00	5,433.64	1,400.14	-936.99	1,756.02	0.00	0.00	0.00
6,000.00	0.000	0.00	5,533.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,100.00	0.000	0.00	5,633.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,200.00	0.000	0.00	5,733.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,300.00	0.000	0.00	5,833.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,400.00	0.000	0.00	5,933.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,500.00	0.000	0.00	6,033.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,600.00	0.000	0.00	6,133.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,700.00	0.000	0.00	6,233.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,800.00	0.000	0.00	6,333.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
6,900.00	0.000	0.00	6,433.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7.000.00	0.000	0.00	6.533.84	1.485.14	-936.99	1.756.02	0.00	0.00	0.00
7,011.16	0.000	0.00	6,545.00	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
Dark Canyon		0.00	0,010.00	1,100.11	000.00	1,7 00.02	0.00	0.00	0.00
7,100.00	0.000	0.00	6,633.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,100.00	0.000	0.00	6,733.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,300.00	0.000	0.00	6,833.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,316.16	0.000	0.00	6,850.00	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
Price River									
7,400.00	0.000	0.00	6,933.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,500.00	0.000	0.00	7,033.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,600.00	0.000	0.00	7,133.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,666.16	0.000	0.00	7,200.00	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
Price River 6	840' Sand								
7,700.00	0.000	0.00	7,233.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,751.16	0.000	0.00	7,285.00	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
Price River 6		0.00	7,203.00	1,405.14	-950.99	1,730.02	0.00	0.00	0.00
		0.00	7 200 04	4 405 44	000.00	4 750 00	0.00	0.00	0.00
7,800.00	0.000	0.00	7,333.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
7,900.00	0.000	0.00	7,433.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
8,000.00	0.000	0.00	7,533.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
8,100.00	0.000	0.00	7,633.84	1,485.14	-936.99	1,756.02	0.00	0.00	0.00
8,151.16	0.000	0.00	7,685.00	1,485.14	-936.99	1,756.02	0.00	0.00	0.00

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PPU Fed 10-8D Target - plan hits target cent - Circle (radius 100.0		0.00	4,730.00	1,485.14	-936.99	531,699.20	2,349,188.91	39° 47′ 11.33 N	110° 15' 26.46 W
PPU Fed 10-8D PBHL - plan hits target cent - Point	0.000 er	0.00	7,685.00	1,485.14	-936.99	531,699.20	2,349,188.91	39° 47' 11.33 N	110° 15' 26.46 W



Sharewell

Planning Report



Database: Company: Project:

Site:

Well:

Compass VM Bill Barrett Corp.

Carbon County, UT [NAD27] Prickly Pear SE 8 Pad Prickly Pear UF 10-8D-12-15

Wellbore: Wellbore #1

Design: plan1 25mar11 smw

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Prickly Pear UF 10-8D-12-15

GL @ 7259.00ft GL @ 7259.00ft

True

Minimum Curvature

Casing Points

•							
	Measured	Vertical			Casing	Hole	
	Depth	Depth			Diameter	Diameter	
	(ft)	(ft)		Name	(ft)	(ft)	
	1,000.00	1,000.00	9 5/8"		0.80	1.02	

Formations						
N	leasured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	2,976.90	-4,499.00	Wasatch		0.00	
	5,196.16	-2,529.00	North Horn		0.00	
	7,011.16	-714.00	Dark Canyon		0.00	
	7,316.16	-409.00	Price River		0.00	
	7,666.16	-59.00	Price River 6840' Sand		0.00	
	7,751.16	26.00	Price River 6840' Base		0.00	

Plan Annotations				
Measure	d Vertical	Local Coo	rdinates	
Depth	Depth	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	Comment
1,150	00 1,150.00	0.00	0.00	Start Build 5.00
1,796.	90 1,763.08	150.37	-94.87	Start 2475.12 hold at 1796.90 MD
4,272	02 3,854.17	1,270.33	-801.46	Start Drop -3.50
5,196	16 4,730.00	1,485.14	-936.99	Start 2955.00 hold at 5196.16 MD
8,151	16 7,685.00	1,485.14	-936.99	TD at 8151.16

SURFACE USE PLAN

BILL BARRETT CORPORATION Prickly Pear Unit Federal SE Sec. 8 Pad SUP (revised 3/24/11) Carbon County, UT

Prickly Pear Unit Federal 16-8D-12-15	Prickly Pear Unit Federal 15-8D-12-15
SESE, 498' FSL, 968' FEL, Sec. 8, T12S-R15E (surface hole)	SESE, 484' FSL, 976' FEL, Sec. 8, T12S-R15E (surface hole)
SESE, 677' FSL, 577' FEL, Sec. 8. T12S-R15E (bottom hole)	SWSE, 673' FSL, 1899' FEL, Sec. 8, T12S-R15E (bottom hole)
Prickly Pear Unit Federal 1A-17D-12-15	Prickly Pear Unit Federal 2-17D-12-15
SESE, 477' FSL, 980' FEL, Sec. 8, T12S-R15E (surface hole)	SESE, 464' FSL, 989' FEL, Sec. 8, T12S-R15E (surface hole)
NENE, 26' FNL, 590' FEL, Sec. 17. T12S-R15E (bottom hole)	NWNE. 650' FNL, 1920' FEL, Sec. 17, T12S-R15E (bottom hole)
Prickly Pear Unit Federal 16A-8D-12-15	Prickly Pear Unit Federal 15A-8D-12-15
SESE, 505' FSL, 964' FEL, Sec. 8, T12S-R15E (surface hole)	SESE, 491' FSL, 972' FEL. Sec. 8, T12S-R15E (surface hole)
SESE, 1313' FSL, 574' FEL, Sec. 8, T12S-R15E (bottom hole)	SWSE, 1314' FSL, 1894' FEL, Sec. 8, T12S-R15E (bottom hole)
Prickly Pear Unit Federal 2A-17D-12-15	Prickly Pear Unit Federal 10-8D-12-15
SESE, 471° FSL, 985° FEL, Sec. 8, T12S-R15E (surface hole)	SESE, 512' FSL, 960' FEL, Sec. 8, T12S-R15E (surface hole)
NWNE. 15° FNL, 1928° FEL, Sec. 17, T12S-R15E (bottom hole)	NWSE, 1999' FSL, 1885' FEL, Sec. 8, T12S-R15E (bottom hole)
Prickly Pear Unit Federal 9-8D-12-15	Prickly Pear Unit Federal 12-9D-12-15
SESE, 519° FSL, 955° FEL, Sec. 8, T12S-R15E (surface hole)	SESE, 514' FSL, 947' FEL, Sec. 8, T12S-R15E (surface hole)
NESE, 1999' FSL, 572' FEL, Sec. 8, T12S-R15E (bottom hole)	NWSW, 1994' FSL, 750' FWL, Sec. 9, T12S-R15E (bottom hole)
Prickly Pear Unit Federal 13A-9D-12-15	Prickly Pear Unit Federal 13-9D-12-15
SESE, 507' FSL, 951' FEL, Sec. 8, T12S-R15E (surface hole)	SESE, 500' FSL, 955' FEL. Sec. 8, T12S-R15E (surface hole)
SWSW, 1327' FSL, 731' FWL, Sec. 9, T12S-R15E (bottom hole)	SWSW, 675' FSL. 736' FWL, Sec. 9, T12S-R15E (bottom hole)

This is a new pad with a total of twelve directional wells proposed. The onsite for this pad occurred on June 30, 2010 and this pad was constructed in the 3rd quarter of 2010 and conductor has been set on the four wells indicated above in black.

The excavation contractor would be provided with an approved copy of the surface use plan of operations before initiating construction.

Existing Roads:

- a. The existing pad is located approximately 44 miles from Myton, Utah. Maps reflecting directions to the pad are included (see Topographic Map A).
- b. The use of roads under State and County Road Department maintenance is necessary to access the Prickly Pear Unit. However, an encroachment permit is not anticipated as there are no upgrades to the State or County road systems proposed at this time.
- No topsoil stripping would occur as there are no improvements proposed to existing State, County
 or main BLM access roads.
- d. Project roads would require routine year-round maintenance to provide year-round access. Maintenance would include inspections, reduction of ruts and holes, maintenance to keep water off the road, replacement of surfacing materials, and clearing of sediment blocking ditches and culverts. Should snow removal become necessary, roads would be cleared with a scraper and snow would be stored along the down gradient side to prohibit runoff onto the road. Aggregate would be used as necessary to maintain a solid running surface and minimize dust generation.
- Vehicle operators would obey posted speed restrictions and observe safe speeds commensurate
 with road and weather conditions. Travel would be limited to the existing access roads.
- f. To address safety-related traffic concerns, drivers and rig crews would be advised of the hazards to recreational traffic along the existing access roads, as well as hazards present due to blind corners, cars parked on the road, pedestrian traffic, and mountain bikers. In addition, appropriate signs would be erected to warn non-project personnel about traffic hazards associated with project-related activities and during times of rig moves, when there is heavy equipment, traffic may be

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Bill Barrett Corporation Surface Use Plan Prickly Pear SE 8 Pad Carbon County, Utah

controlled on sections of roads. Traffic would be controlled using roadside signs, flagmen, and barricades as appropriate.

- Dust suppression and monitoring would be implemented where necessary and as prescribed by the BLM.
- h. An off-lease federal right-of-way for the access road and utility corridor is not anticipated at this time since existing roads are being utilized into the Prickly Pear Unit area. All new construction would be within the Unit.

Planned Access Road:

a. The co-located access/pipeline was constructed in 3rd quarter of 2010. No new access is proposed.

3. Location of Existing Wells (see One-Mile Radius Map):

 Following is a list of wells with surface hole locations within a one-mile radius of the proposed pad:

i.	water wells	none
ii.	injection wells	none
iii.	disposal wells	none
iv.	drilling wells	none
$\mathbf{V}_{\mathbf{r}} =$	temp shut-in wells	none
vi.	producing wells	twenty-seven
vii.	abandoned wells	none

4. <u>Location of Production Facilities:</u>

- a. Conductor pipe and associated infrastructure was set for four wells for which APDs were approved in 2010. Each additional proposed well would have its own meter run and separator. Proposed wellheads and christmas trees would be contained below location grade in pre-cast concrete trenches. All wellheads associated with the drilling operations for this pad would be contained in the same trench measuring approximately 12 ft wide, 10 ft deep, and 72 ft long (# wells x 8 ft + 16 ft for two end pieces). Drawings of below ground cellars can be provided by BBC upon request.
- b. The pad and CTB on the SE 8 and the SE 7 pad were constructed in 2010.
- c. One 300-bbl low profile tank is currently planned on the CTB on this pad. All other tank facilities for this pad would be located at a centralized tank battery facility (CTB) at the existing Prickly Pear SE 7 well pad in the SESE, Sec. 7, T12S-R15E within the Prickly Pear unit. Up to ten 300-bbl low-profile tanks would be located on the SE 7 CTB/well pad for production associated with this pad and for additional proposed pads that would also use this as a CTB. As some of the proposed wells are inside the Participating Area (PA) and some wells are outside of the PA, production for non-PA wells would be combined in one set of tanks while production for PA wells would be combined in a separate set of tanks.
- d. CTBs would be surrounded by a secondary containment berm of sufficient capacity to contain the 1.1 times the entire capacity of the largest single tank and sufficient freeboard to contain precipitation. All loading lines and valves would be placed inside the berm surrounding the CTB or would utilize catchment basins to contain spills. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-2 and Onshore Oil and Gas Order No. 4 for the measurement of oil. Any variances from this would be submitted via a sundry notice. BBC requests permission to install the necessary production/operation facilities with this application.
- e. Most wells would be fitted with plunger lift systems to assist liquid production. However, pump jacks may be used if liquid volumes and/or low formation pressures require it. Plunger lift systems

Bill Barrett Corporation Surface Use Plan Prickly Pear SE 8 Pad Carbon County, Utah

do not require any outside source of energy. The prime mover for pump jacks would be small (50 horsepower or less), natural gas-fired internal combustion engines.

- f. Gas meter run(s) would be constructed and located on lease within 500 feet of the wellheads. Meter runs would be housed and/or fenced. As practicably feasible, meters would be equipped with remote telemetry monitoring systems. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3 and any variances would be included with this submittal or submitted via sundry notice.
- g. A combustor may be installed at the Prickly Pear SE 7 pad CTB for control of associated condensate tank emissions. A combustor ranges from 24 inches to 48 inches wide and is approximately 10 ft -27 ft tall. Combustor placement would be on existing disturbance and would not be closer than 100 ft to any tank or wellhead(s). No combustor is planned currently on this pad until future wells are drilled to the east.
- The pipeline was constructed in 2010. No additional lines are proposed.
- i. All permanent above-ground structures would be painted a flat, non-reflective Olive Black to match the standard environmental colors. These structures would be painted the designated color at the time of installation or within 6 months of being located on site. Facilities that are required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- j. Site security guidelines identified in 43 CFR 3162.7-5 and Onshore Oil and Gas Order No. 3 would be adhered to. Any changes to facilities proposed within this surface use plan would be depicted on the site security diagram submitted.
- k. The site would require periodic maintenance to ensure that drainages are kept open and free of debris, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

Location and Type of Water Supply:

 Bill Barrett Corporation would use water consistent with approvals granted by the Utah State Engineer's Office under;

Application Number 90-1863, expires June 6, 2011 Application Number 98-860, expires September 30, 2010 Application Number 90-4, expires December 31, 2014 Application Number 90-1861, expires May 11, 2011 Application Number 90-1866, expires December 21, 2020

- Water use for this location would most likely be diverted from Nine Mile Creek, the N¼ of Section 3, T12S-R14E. Bobtail trucks would haul the water, traveling Prickly Pear road to Harmon Canyon, traveling north to this point of diversion.
- c. Water use would vary in accordance with the formations to be drilled but would average approximately 1 acre-foot (7,758 barrels) during drilling operations and 1 acre-foot (7,758 barrels) during completion operations.

Source of Construction Material:

- a. The use of materials would conform to 43 CFR 3610.2-3.
- b. No construction materials would be taken out of the Prickly Pear Unit.
- c. If any additional gravel is required, it would be obtained from SITLA materials permits, federal BBC locations within the Prickly Pear unit or from private sources.

Bill Barrett Corporation Surface Use Plan Prickly Pear SE 8 Pad Carbon County, Utah

Methods of Handling Waste Disposal:

 All wastes associated with this application would be contained and disposed of utilizing approved facilities.

Closed Loop Drilling System

- b. BBC intends to employ a closed loop drilling system in which drilling fluids and cuttings would be thoroughly processed such that the separated cuttings are relatively dry. The cuttings would be stored on location in either secured piles or in the 210 ft x 50 ft cuttings trench.
- c. The cuttings trench would not be lined. Three sides of the trench would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until cuttings trench has been reclaimed.
- d. Upon completion of drilling, the cuttings would be tested and further processed as necessary to meet standards for burial on site or other BLM approved uses such as a media for road surfacing or growing media for reclamation.

Conventional or Semi-Closed Loop Drilling System

- e. In the event closed loop drilling is not employed, a conventional or semi-closed loop system would be used where a small amount of fluid is retained in the cuttings and the cuttings are placed in the reserve pit. The reserve pit would also store water to make up losses and store any excess drilling fluids. Reserve pits would be constructed with an impermeable liner so as to prevent releases. The pit liner would overlap the pit walls and be anchored with soil and/or rocks to hold it in place. No trash, scrap pipe, etc. that could puncture the liner would be disposed of in the pit and a minimum of 2 ft of freeboard would be maintained in the pit at all times. Reserve pits would be constructed and maintained according to BLM or UDOGM requirements as appropriate.
- f. Three sides of the reserve pit would be fenced before drilling starts and the fourth side would be fenced at the time drilling is completed on the last well on the pad and shall remain until the pit is dry.
- g. Any hydrocarbons floating on the surface of the reserve pit would be removed as soon as possible after drilling and completion operations are finished. In some cases, the reserve pit may be flagged overhead or covered with wire or plastic mesh to protect migrating birds.

Completion Pit

h. Where closed loop drilling is employed, the cuttings trench disturbed area would typically also be used to store water for completion activities. The completion pit would be constructed with an impermeable liner to prevent releases and would be fenced and constructed and maintained according to BLM or UDOGM requirements.

Other

- Produced fluids from the wells other than water would be decanted into steel test tanks until such
 time as construction of production facilities is completed. Produced water may be used in further
 drilling and completion activities, evaporated in the pit or would be hauled to a state approved
 disposal facility.
- j. After initial clean-up and based on volumes, BBC would install a tank (maximum size 400 barrel capacity) to contain produced waste water. After first production, produced wastewater would be confined to tanks within the CTB for a period not to exceed ninety (90) days. Thereafter, produced water would be used in further drilling and completion activities or hauled to a State approved disposal facility.

Bill Barrett Corporation Surface Use Plan Prickly Pear SE 8 Pad Carbon County, Utah

- k. Any salts and/or chemicals, which are an integral part of the drilling system, would be disposed of in the same manner as the drilling fluid.
- Any spills of oil, condensate, produced or frac water, drilling fluids, or other potentially deleterious substances would be recovered and either returned to its origin or disposed of at an approved disposal site, most likely in Duchesne, Utah.
- m. Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, BBC could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO₂ gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.
- n. Portable toilets and trash containers would be located onsite during drilling and completion operations. A commercial supplier would install and maintain portable toilets and equipment and would be responsible for removing sanitary waste. Sanitary waste facilities (i.e. toilet holding tanks) would be regularly pumped and their contents disposed of at approved sewage disposal facilities in Carbon, Duchesne, and/or Uintah Counties, in accordance with applicable rules and regulations regarding sewage treatment and disposal. Accumulated trash and nonflammable waste materials would be hauled to an approved landfill once a week or as often as necessary. All debris and waste materials not contained in the trash containers would be cleaned up, removed from the construction ROW, well pad, or worker housing location, and disposed of at an approved landfill. Trash would be cleaned up everyday.
- o. Sanitary waste equipment and trash bins would be removed from the WTP Project Area upon completion of access road or pipeline construction; following drilling and completion operations at an individual well pad; when worker housing is no longer needed; or as required.
- p. A flare pit may be constructed a minimum of 110' from the wellhead(s) and may be used during completion work. In the event a flare pit proves to be unworkable, a temporary flare stack or open top tank would be installed. BBC would flow back as much fluid and gas as possible into pressurized vessels, separating the fluids from the gas. In some instances, due to the completion fluids utilized within the West Tavaputs Project area, it is not feasible to direct the flow stream from the wellbore through pressurized vessels. In such instances BBC proposes to direct the flow to the open top tanks until flow through the pressurized vessels is possible. At which point the fluid would either be returned to the reserve pit or placed into a tank(s). The gas would be directed to the flare pit, flare stack (each with a constant source of ignition), or may be directed into the sales pipeline.
- q. Flare lines would be directed so as to avoid damage to surrounding vegetation, adjacent rock faces, or other resources, and as required by regulations. Flare lines would be in place on all well locations. In the event it becomes necessary to flare a well, a deflector and/or directional orifice would also be used to safeguard both personnel and adjacent natural rock faces.

Ancillary Facilities:

- a. Garbage containers and portable toilets would be located on the well pad.
- Storage yards for tubulars and other equipment and temporary housing areas, located on BBC surface, would be utilized.

Bill Barrett Corporation Surface Use Plan Prickly Pear SE 8 Pad Carbon County, Utah

> c. On well pads where active drilling and completion is occurring, temporary housing would be provided on location for the well pad supervisor, geologist, tool pusher, and others that are required to be on location at all times. Active drilling locations could include up to five single wide mobile homes or fifth wheel campers/trailers.

9. Well Site Layout:

- a. Each well would be properly identified in accordance with 43 CFR 3162.6
- b. The pad has been constructed.
- Proposed wellheads and christmas trees would be contained below location grade in pre-cast concrete trenches.
- d. The cuttings trench or reserve pit would be fenced on three sides during drilling and on the fourth side immediately after the removal of the drilling rig. In the event closed loop drilling is employed, the cuttings trench would be removed or stockpiled on one edge of the trench and the area would be used for a completion pit during completion operations.
- Fill from pit excavation would be stockpiled along the edge of the pit and the adjacent edge of the well pad.
- f. Use of erosion control measures, including proper grading to minimize slopes, diversion terraces and ditches, mulching, terracing, riprap, fiber matting, temporary sediment traps, and broad-based drainage dips or low water crossings would be employed by BBC as necessary and appropriate to minimize erosion and surface runoff during well pad construction and operation. Cut and fill slopes would be constructed such that stability would be maintained for the life of the activity.
- g. Dust suppression may be implemented if necessary to minimize the amount of fugitive dust.

Plan for Restoration of the Surface;

Interim Reclamation

- a. Portions of the disturbed area within a construction ROW or portions of well pads not needed for production would be reclaimed according to specifications of the BLM as appropriate.
- b. Prior to interim reclamation activities, all solid wastes and refuse would be removed and placed at approved landfills. The portions of the well pad or access and pipeline corridor not needed for production would be re-contoured to promote proper drainage, salvaged topsoil would be replaced, and side slopes would be ripped and disked on the contour. Following site preparation, reseeding would be completed during either the spring or fall planting season, when weather conditions are most favorable. Seed mixtures for reclaimed areas would be site-specific and would require approval by the BLM. BBC would apply and meet BLM's Green River District Reclamation Standards, where practicable.
- c. The operator would control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- d. Following interim reclamation, access roads (including roads co-located with pipeline) would be reduced to approximately 30 feet of disturbance. Roads leading to well sites that would not have surface production equipment would be designed and reclaimed in a way that minimizes impacts to the visual character of the host lands.

Bill Barrett Corporation Surface Use Plan Prickly Pear SE 8 Pad Carbon County, Utah

e. Weather permitting, earthwork for interim reclamation would be completed within 6 months of completion of the final well on the pad or plugging and would continue until satisfactory revegetation cover is established. Inter-seeding (i.e. seeding into existing vegetation), secondary seeding, or staggered seeding may be used to accomplish revegetation objectives. During rehabilitation of areas in important wildlife habitat, provisions would be made for the establishment of native browse and forb species. Follow-up seeding or corrective erosion control measures would occur on areas where initial reclamation efforts are unsuccessful, as determined by the BLM or the appropriate surface management agency.

Dry Hole/Final Reclamation

- f. All disturbed lands associated with this project, including the pipelines, access roads, water management facilities, etc. would be expediently reclaimed and reseeded in accordance with the reclamation plan and any pertinent site-specific COAs.
- g. When a well is to be plugged and abandoned, BBC would submit a Notice of Intent to Abandon (NOA) to the BLM or UDOGM as appropriate. The BLM or UDOGM would then attach the appropriate surface rehabilitation COAs for the well pad, and as appropriate, for the associated access road, pipeline, and ancillary facilities. During plugging and abandonment, all structures and equipment would be removed from the well pad. Backfilling, leveling, and re-contouring would then be performed according to the BLM or UDOGM order.
- h. Any mulch used by BBC would be weed-free and free from mold, fungi, or noxious weeds. Mulch may include native hay, small grain straw, wood fiber, live mulch, cotton, jute, synthetic netting or rock.
- BBC would reshape disturbed channel beds to their approximate original configuration.
- j. Reclamation of abandoned roads may include re-shaping, re-contouring, re-surfacing with topsoil, installation of water bars, and seeding on the contours. Road beds, well pads, and other compacted areas would be ripped to a depth of approximately 1 foot on 1.5 foot centers to reduce compaction prior to spreading the topsoil across the disturbed area. Stripped vegetation would be spread over the disturbance area for nutrient recycling, where practical. Additional erosion control measures (e.g. fiber matting) and road barriers to discourage travel may be constructed if appropriate. Graveled roads, well pads, and other sites would be stripped of usable gravel prior to ripping as deemed necessary. Culverts, cattleguards, and signs would be removed as roads are abandoned.

11. Surface and Mineral Ownership:

- Surface ownership Federal under the management of the Bureau of Land Management Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.
- Mineral ownership Federal under the management of the Bureau of Land Management Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3600.

12. Other Information:

- Montgomery Archaeological Consultants conducted a cultural resource inventory for this pad/CTB. access and pipeline under MOAC 10-092, dated 7/20/10.
- b. BBC would require that their personnel, contractors, and subcontractors to comply with Federal regulations intended to protect archeological and cultural resources.
- c. Project personnel and contractors would be educated on and subject to the following requirements:
 - No dogs within the WTP Project Area;
 - No firearms within the WTP Project Area;

Bill Barrett Corporation Surface Use Plan Prickly Pear SE 8 Pad Carbon County, Utah

- No littering within the WTP Project Area;
- Smoking within the WTP Project Area would only be allowed in off-operator active
 locations or in specifically designated smoking areas. All cigarette butts would be placed in
 appropriate containers and not thrown on the ground or out windows of vehicles; personnel
 and contractors would abide by all fire restriction orders;
- Campfires or uncontained fires of any kind would be prohibited within the WTP Project Area:
- Portable generators used in the WTP Project Area would have spark arrestors.
- d. All disturbances are within the Prickly Pear unit: Surface and bottom hole disturbances occur on lease UTU-73006 and UTU-73668.

OPERATOR CERTIFICATION

Certification:

I hereby certify that I, or someone under my direction supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein would be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filings of false statements.

Executed this
Name:
Tracey Fallang

Position Title:
Regulatory Manager

Address:
1099 18¹⁵ Street, Suite 2300, Denver, CO 80202

Telephone:
303-312-8134

Field Representative
Brandon Murdock

Address:
1820 W. Hwy 40, Roosevelt, UT 84066

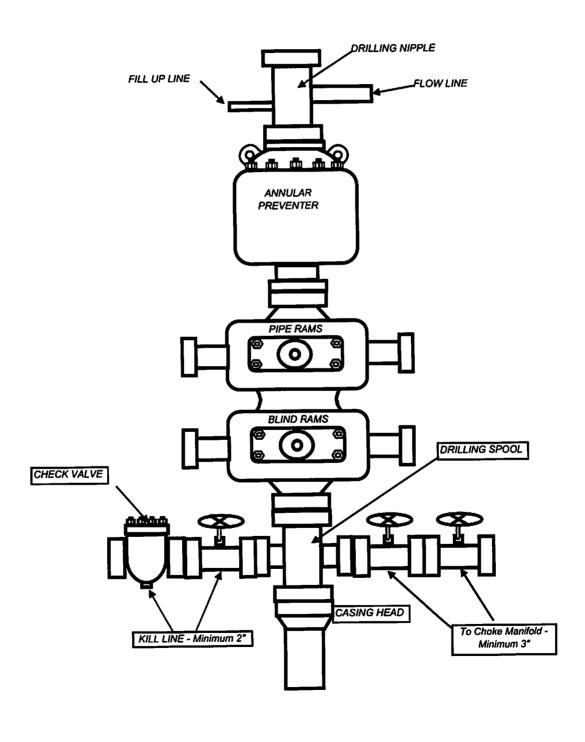
Telephone:
435-724-5252

E-mail: bmurdock@billbarretteorp.com

Tracey Fallang, Regulatory Manage

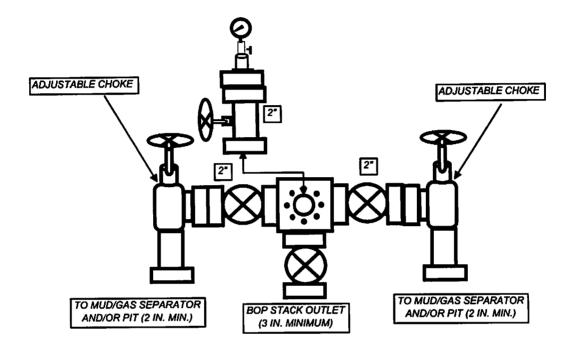
BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. CHOKE MANIFOLD





April 1, 2011

Ms. Diana Mason State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE: Directional Drilling R649-3-11

Prickly Pear Unit Federal #10-8D-12-15

SHL: 512' FSL & 960' FEL, SESE 8-T12S-R15E BHL: 1999' FSL & 1885' FEL, NWSE 8-T12S-R15E

Carbon County, Utah

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the "Exception to Location and Siting of Wells."

- The above-mentioned proposed location is within the Peters Point Unit Area;
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area;
- BBC hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact Vicki Wambolt, Landman at 303-312-8513.

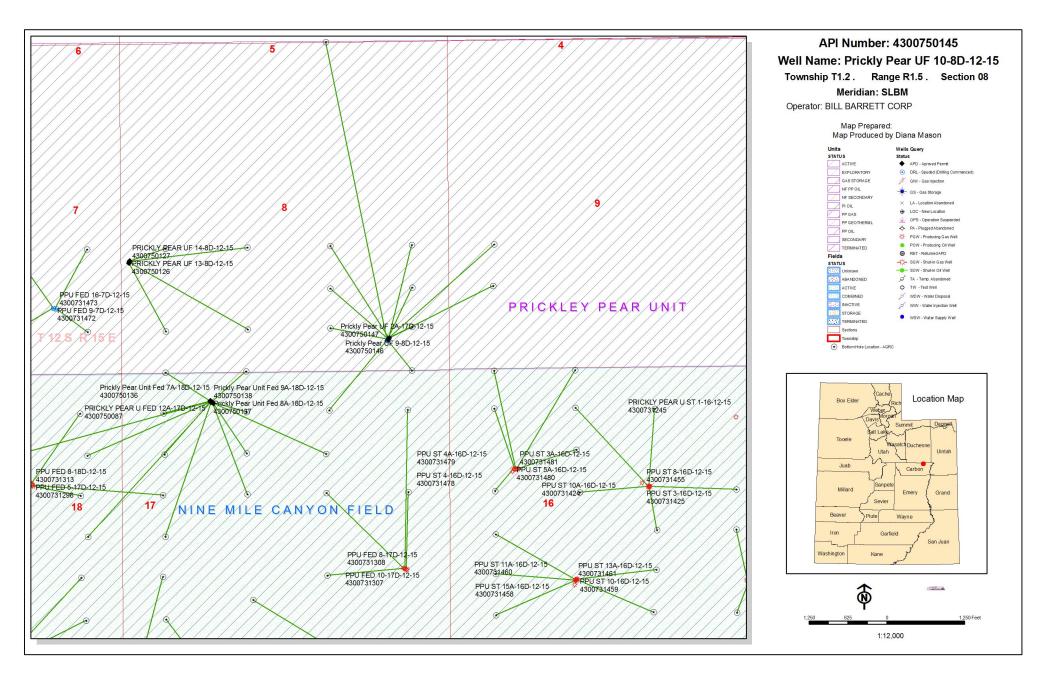
Sincerely,

Vicki Wambolt BLP

vicki wambolt

Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

April 11, 2011

Memorandum

To: Associate Field Office Manager,

Price Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Prickly Pear Unit

Carbon County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Prickly Pear Unit, Carbon County, Utah.

API# WELL NAME LOCATION

(Proposed PZ Wasatch-Mesaverde)

43-007-50140 PPear Unit 16A-8D-12-15 Sec 08 T12S R15E 0505 FSL 0964 FEL BHL Sec 08 T12S R15E 1313 FSL 0574 FEL 43-007-50141 PPear Unit 15A-8D-12-15 Sec 08 T12S R15E 0491 FSL 0972 FEL BHL Sec 08 T12S R15E 1314 FSL 1894 FEL 43-007-50142 PPear Unit 13A-9D-12-15 Sec 08 T12S R15E 0507 FSL 0951 FEL BHL Sec 09 T12S R15E 1327 FSL 0731 FWL 43-007-50144 PPear Unit 12-9D-12-15 Sec 08 T12S R15E 0514 FSL 0947 FEL BHL Sec 09 T12S R15E 1994 FSL 0750 FWL 43-007-50145 PPear Unit 10-8D-12-15 Sec 08 T12S R15E 0512 FSL 0960 FEL BHL Sec 08 T12S R15E 1999 FSL 1885 FEL 43-007-50146 PPear Unit 9-8D-12-15 Sec 08 T12S R15E 0519 FSL 0955 FEL BHL Sec 08 T12S R15E 1999 FSL 0572 FEL 43-007-50147 PPear Unit 2A-17D-12-15 Sec 08 T12S R15E 0471 FSL 0985 FEL BHL Sec 17 T12S R15E 0015 FNL 1928 FEL API Well Number: 43007501450000

This office has no objection to permitting the wells at this time.

Michael L. Coulthard
Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.04.11 10:35:02-06'00'

Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:4-11-11

API Well Number: 43007501450000

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/6/2011 **API NO. ASSIGNED:** 43007501450000

PHONE NUMBER: 303 312-8115

WELL NAME: Prickly Pear UF 10-8D-12-15 **OPERATOR:** BILL BARRETT CORP (N2165)

CONTACT: Brady Riley

PROPOSED LOCATION: SESE 08 120S 150E Permit Tech Review:

✓

SURFACE: 0512 FSL 0960 FEL Engineering Review:

BOTTOM: 1999 FSL 1885 FEL Geology Review:

✓

COUNTY: CARBON

LATITUDE: 39.78242 LONGITUDE: -110.25378 UTM SURF EASTINGS: 563901.00 NORTHINGS: 4403665.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: utu73006 PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal COALBED METHANE: NO

RECEIVED AND/OR REVIEWED: LOCATION AND SITING:

✓ PLAT

R649-2-3.

PLAT ____ R649-2-3

Bond: FEDERAL - WYB000040 Unit: PRICKLY PEAR

Potash R649-3-2. General

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 Prilling Unit

✓ Water Permit: Nine Mile Creek **Board Cause No:** Cause 256-1

RDCC Review: Effective Date: 12/16/2004

Fee Surface Agreement Siting: 460' Fr U Bdry & Uncommitted Tracts

Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

Oil Shale 190-5

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

15 - Directional - dmason

API Well No: 43007501450000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Prickly Pear UF 10-8D-12-15

API Well Number: 43007501450000

Lease Number: utu73006 Surface Owner: FEDERAL Approval Date: 4/14/2011

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 256-1. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

 Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
 OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

Reporting Requirements:

API Well No: 43007501450000

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas

	FORM 9				
	DEPARTMENT OF NATURAL RESOURD DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006		
SUNDI	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
	sals to drill new wells, significantly deepe ugged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: Prickly Pear UF 10-8D-12-15		
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43007501450000		
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , [ONE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0512 FSL 0960 FEL			COUNTY: CARBON		
QTR/QTR, SECTION, TOWNSH: Qtr/Qtr: SESE Section: 08	IP, RANGE, MERIDIAN: Township: 12.0S Range: 15.0E Meridian:	S	STATE: UTAH		
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR		
Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME		
5/7/2011	☐ CHANGE WELL STATUS	✓ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION		
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON	PLUG BACK		
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:		
	DMPLETED OPERATIONS. Clearly show all po		volumes, etc.		
In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, Completion Into Two or More Pools, BBC is submitting this sundry to request commingling approval for the Wasatch and Mesaverde formations. Gas composition is similar across all formations. The pressure profile across the formations is similar and BBC does not anticipate any cross flow. Production is considered to be from one pool. In the event that allocation by zone or interval is required, BBC would use representative sampling obtained from the production logs and allocate on a percentage basis by zone or interval. A letter and affidavit of notice is attached. As per Marvin Hendrickson with the Pridey: BLM, federal authority of this action is not necessary.					
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	R TITLE Permit Analyst			
SIGNATURE N/A		DATE 4/19/2011			



AFFIDAVIT

My name is Vicki L. Wambolt and I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde formations in the Prickly Pear Unit Federal 2A-17D-12-15, 15A-8D-12-15, 16A-8D-12-15, 9-8D-12-15, 10-8D-12-15, 12-9D-12-15, 13-9D-12-15 & 13A-9D-12-15 wells drilled from a pad located in the SE of Section 8, Township 12 South, Range 15 East. In compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notices, by certified mail, to the owners as listed below of all contiguous oil and gas leases or drilling units overlying the pool.

State of Utah, acting by and through the School and Institutional Trust Lands Administration 675 East 500 South, Suite 500 Salt Lake City, UT 84102

Bureau of Land Management Price Field Office 125 South 600 West Price, Utah 84501

XTO Energy, Inc. 810 Houston St. Fort Worth, TX 76102-6298

Date: April 11, 2011

Affiant

Vicki L. Wámbolt



April 11, 2011

Utah Division of Oil, Gas & Mining 1594 W. North Temple, Suite 1210 Salt Lake City, UT 84116

Attention: Dustin Doucet

RE: Sundry Notices

Prickly Pear Unit SE 8 T12S R15E Carbon Co., UT

Bill Barrett Corporation has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde Formations in the Prickly Pear Unit Federal 2A-17D-12-15, 15A-8D-12-15, 16A-8D-12-15, 9-8D-12-15, 10-8D-12-15, 12-9D-12-15, 13-9D-12-15 & 13A-9D-12-15 wells. As required by the Utah OGM regulations R649-3-22, BBC has enclosed copies of the completed Sundry Notices.

Should you require additional information in this regard, please feel free to contact me at 303-312-8513 or vwambolt@billbarrettcorp.com.

BILL BARRETT CORPORATION

Cliff Julanbalt

Vicki L. Wambolt

Landman



April 11, 2011

Bureau of Land Management Price Field Office 125 South 600 West Price, UT 84501

Certified Mail 7010 0290 0003 4153 6654

Attention: Marvin Hendricks

RE: Sundry Notices

Prickly Pear Unit SE 8 T12S R15E Carbon Co., UT

Bill Barrett Corporation has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde Formations in the Prickly Pear Unit Federal 2A-17D-12-15, 15A-8D-12-15, 16A-8D-12-15, 9-8D-12-15, 10-8D-12-15, 12-9D-12-15, 13-9D-12-15 & 13A-9D-12-15 wells. As required by the Utah OGM regulations R649-3-22, BBC has enclosed copies of the completed Sundry Notices.

Should you require additional information in this regard, please feel free to contact me at 303-312-8513 or vwambolt@billbarrettcorp.com.

BILL BARRETT CORPORATION

licke The Carabolt

Vicki L. Wambolt

Landman



August 9, 2010

State of Utah Certified Mail 7010 0290 0003 4153 6661 School and Institutional Trust Lands Administration 675 East 500 South, Suite 500 Salt Lake City, UT 84102

Attention: LaVonne Garrison

RE: Sundry Notices

Prickly Pear Unit SE 8 T12S R15E Carbon Co., UT

Bill Barrett Corporation has submitted Sundry Notices to commingle production from the Wasatch and Mesaverde Formations in the Prickly Pear Unit Federal 2A-17D-12-15, 15A-8D-12-15, 16A-8D-12-15, 9-8D-12-15, 10-8D-12-15, 12-9D-12-15, 13-9D-12-15 & 13A-9D-12-15 wells. As required by the Utah OGM regulations R649-3-22, BBC has enclosed copies of the completed Sundry Notices.

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BILL BARRETT CORPORATION

Cicho This Solf

Vicki L. Wambolt

Landman



April 11, 2011

XTO Energy, Inc. 810 Houston St. Fort Worth, TX 76102-6298 Certified Mail 7010 0290 0003 4153 6678

RE: Sundry Notices

Prickly Pear Unit SE 8 T12S R15E Carbon Co., UT

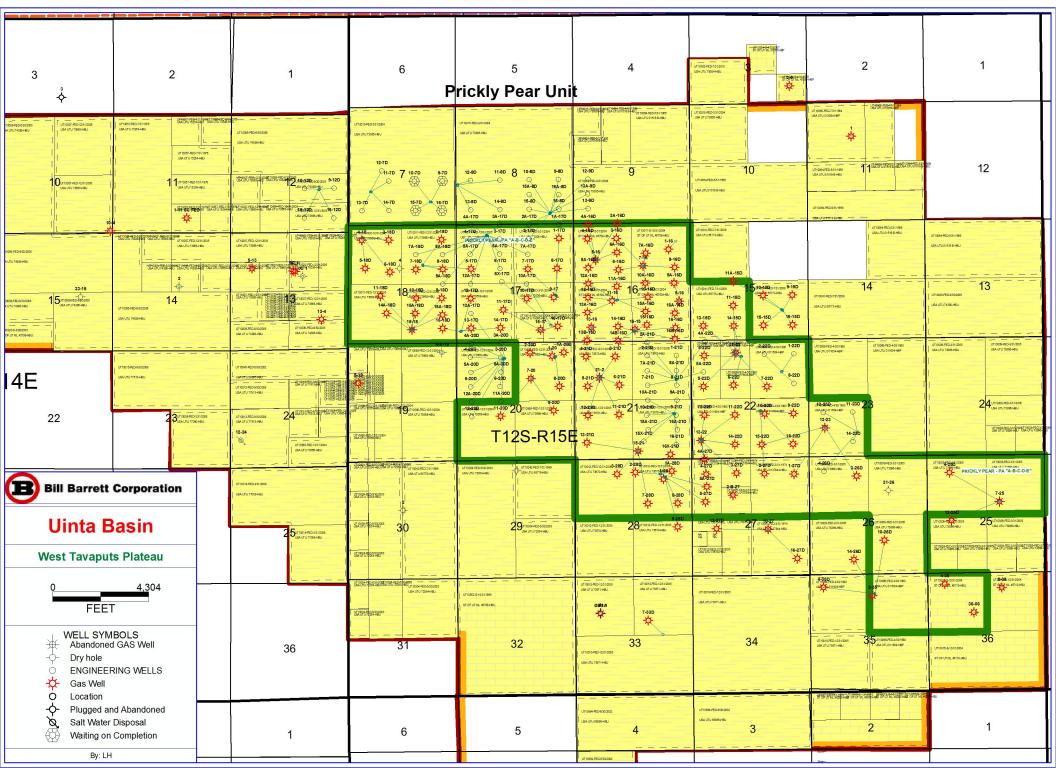
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Should you require additional information in this regard, please feel free to contact me at 303-312-8513 or vwambolt@billbarrettcorp.com.

BILL BARRETT CORPORATION

Vicki Ľ. Wambolt

Landman



	FORM 9		
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006
SUNDF	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for propo- bottom-hole depth, reenter plu DRILL form for such proposals	xisting wells below current e APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR	
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: PRICKLY PEAR UF 10-8D-12-15	
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43007501450000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , D		E NUMBER: -8164 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0512 FSL 0960 FEL QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN:		COUNTY: CARBON
	Township: 12.0S Range: 15.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
□ NOTICE OF INTENT Approximate date work will start: □ SUBSEQUENT REPORT Date of Work Completion: ✓ SPUD REPORT Date of Spud: 5/21/2011 □ DRILLING REPORT Report Date: 12. DESCRIBE PROPOSED OR CO	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION MPLETED OPERATIONS. Clearly show all perti	A U Oil	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION WATER DISPOSAL APD EXTENSION OTHER: Folumes, etc. ACCEPTED by the Jtah Division of I, Gas and Mining R RECORD ONLY
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst	
SIGNATURE N/A	303 312-8113	DATE 5/24/2011	

	FORM 9		
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006
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TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
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SUBSEQUENT REPORT	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
Date of Work Completion:	DEEPEN OPERATOR CHANGE	FRACTURE TREAT	 □ NEW CONSTRUCTION □ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ PLUG AND ABANDON ☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	□ TUBING REPAIR	□ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date:	□ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
5/31/2011	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all pe	ertinent details including dates, denths, y	
l .	2011 monthly activity repor		ounies, etc.
		l Oi	Accepted by the Utah Division of I, Gas and Mining R RECORD ONLY
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	R TITLE Permit Analyst	
SIGNATURE	303 312-0113	DATE	
N/A		6/3/2011	

	FORM 9		
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006
SUNDI	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for propo bottom-hole depth, reenter plu DRILL form for such proposals	n existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR	
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☐ SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE PRODUCTION START OR RESUME	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE ☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	TUBING REPAIR	UP VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date: 6/30/2011	WILDCAT WELL DETERMINATION	OTHER	
			OTHER:
l .	ompleted operations. Clearly show all perine 2011 Monthly Drilling Activ	vity to report.	,
			Accepted by the Utah Division of
			l, Gas and Mining
			R RECORD ONLY
		101	THE CORP ONE
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER	R TITLE Permit Analyst	
SIGNATURE	303 312-8115	DATE	
N/A		7/1/2011	

	FORM 9						
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006				
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QTR/QTR, SECTION, TOWNSH	IP, RANGE, MERIDIAN: Township: 12.0S Range: 15.0E Meridian:	S	STATE: UTAH				
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TYPE OF SUBMISSION		TYPE OF ACTION					
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME				
Approximate date work will start.	☐ CHANGE WELL STATUS	\square commingle producing formations	☐ CONVERT WELL TYPE				
✓ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION				
7/25/2011	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK				
☐ SPUD REPORT	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
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DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION				
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: production facilities				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being submitted to further clarify testing procedures discussed and verbally approved by the BLM as well as final equipment installations for the Prickly Pear SE 8 pad. See attached for details and map. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY							
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst					
SIGNATURE N/A		DATE 7/26/2011					

General Well Testing

Initial testing of wells would occur within 15 days of first sales and would be a 1-3 day test to get a baseline for allocation. After the initial test is performed, testing would occur within 90 days thereafter, testing each well for approximately 3 days and rotating through the wells without any downtime between tests.

As both Prickly Pear and Peter's Point have participating areas (PA) and wells drilled from each pad could include both PA and non-PA wells, specific procedures are implemented for these situations. PA and non-PA will always be measured separately and production would not be combined together within the same tanks. All wells drilled are within units. These procedures are as follows:

- 1) Isolate the PA test tank(s);
- 2) Transfer any remaining liquids from the test tank(s) to the PA production tank(s);
- 3) Strap the starting fluid levels in the test tank(s);
- 4) Note date and time of beginning test, document and record in eVIN;
- 5) Flow test well into test tank(s) for pre-determined period, not to be less than a 24 hour period;
- 6) Isolate the test tank(s), divert the test well's production to the in PA production tank(s);
- 7) Strap the ending fluid levels in the test tank(s);
- 8) Record and document the length of test time, amount of oil produced, amount of water produced and amount of gas produced (through wellhead meter) for the test period into eVIN;
- 9) Procedures for non-PA would be same steps as 1-8.

Details specific to the Prickly Pear S2NE 21 pad are as follows:

Well Name			Lease		
Prickly Pear Unit Fed	АРІ	Drill Phase ¹	UTU-	PA Boundary	Facilities (S2NE 21 pad)
5A-22D-12-15	4300750054	1	11604	In	
4A-22D-12-15	4300750053	1	11604	In	
1-21D-12-15	4300750050	1	73670	In	1) All walls was acad on this wad are within the DA.
8A-21D-12-15	4300750058	1	73670	In	1) All wells proposed on this pad are within the PA; 2) Liquids trucked to a central tank battery (CTB) on
2A-21D-12-15	4300750052	1	73670	In	the existing Prickly Pear 3-22 pad/CTB location. 3) One 12" inch buried gas line to the main tie-in was laid (adjacent to the existing line).
2-21D-12-15	4300750051	1	73670	In	4) Up to five low-profile 300 bbl tank may be located on the pad and up to 13 625-bbl and 400-bbl tanks
7A-21D-12-15	4300750056	1	73670	In	would be located on the CTB.
7-21D-12-15	4300750055	1	73670	In	
8-21D-12-15	4300750057	1	73670	In	
5A-22D-12-15	4300750054	1	11604	In	

²Drill Phase 2 indicates that well(s) not initially planned to be drilled during the first phase of drilling on the pad.

Details specific to the Prickly Pear NW 17 pad are as follows:

Well Name Prickly Pear Unit Fed	API	Drill Phase ¹	Lease UTU-	PA Boundary	Facilities (NW 17 pad)
Thekry rear officered		Tiluse		Boundary	ruemees (1444 17 pau)
7A-17D-12-15	4300750086	1	73006	ln	
6A-17D-12-15	4300750085	1	73668	ln	
6-17D-12-15	4300750084	1	73668	ln	1) All wells proposed on this pad are within the PA; 2) Liquids will be piped into a CTB on the SE 8 CTB, SE 7 CTB and Then piped on to the existing Prickly Pear 4-18
3-17D-12-15	4300750079	1	73668	In	pad/CTB location. Three buried liquids lines were laid from the pad to the 4-18 CTB (1-2" test line; 1-2" out of
3A-17D-12-15	4300750080	1	73668	In	PA line; 1-6" in PA line). PA liquids from this pad would be combined with PA production from the existing 4-18
12A-17D-12-15	4300750087	1	73668	In	pad wells and other future pad production and same process for non-PA liquids (combined separately from
5A-17D-12-15	4300750083	1	73668	ln	PA wells). 3) One 12 inch buried gas line to the main tie-in was
4-17D-12-15	4300750081	1	73668	In	laid. 4) Up to ten 625-bbl and four 400-bbl tanks would be
4A-17D-12-15	4300750082	1	73668	ln	located on the 4-18 CTB. One 300 bbl low profile tank would be located on the SE 8 CTB. Up to ten 300 bbl
7A-18D-12-15	4300750136	1	73668	ln	low profile tanks on the SE 7 CTB. One low-profile 300 bbl tank would be located on the well pad.
8A-18D-12-15	4300750137	1	73668	ln	
9A-18D-12-15	4300750138	1	73668	ln	

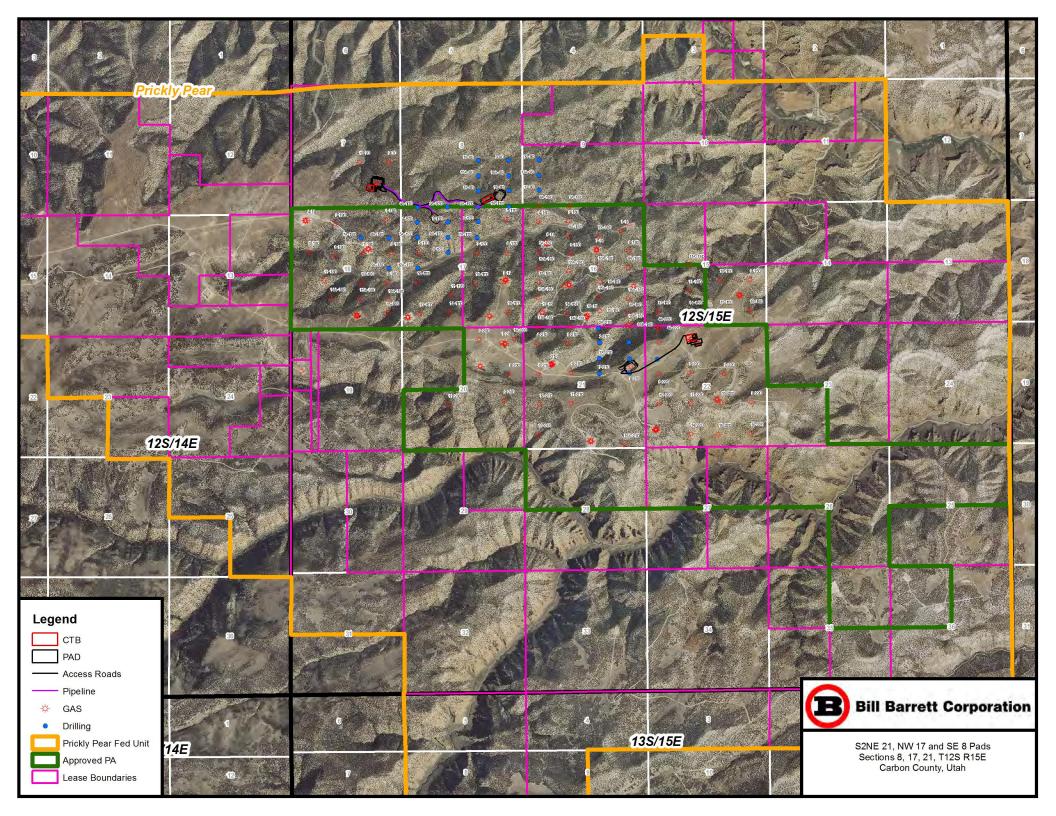
²Drill Phase 2 indicates that well(s) not initially planned to be drilled during the first phase of drilling on the pad.

Details specific to the Prickly Pear SE 8 pad are as follows:

Well Name			Lease		
Prickly Pear Unit Fed	API	Drill Phase ¹	UTU-	PA Boundary	Facilities (SE 8 pad)
2-17D-12-15	4300750061	1	73006	Out	
2A-17D-12-15	4300750147	1	73006	Out	1) Wells proposed on this pad are a combination of PA
1A-17D-12-15	4300750062	1	73006	Out	and non-PA wells; 2) Liquids will be piped into a CTB on this pad and
15-8D-12-15	4300750060	1	73006	In	then piped on to the existing SE 7 then on to the Prickly Pear 4-18 pad/CTB location. Two buried liquids
15A-8D-12-15	4300750141	1	73006	In	lines were laid from the pad to the 4-18 CTB, one 6 inch In-PA and one 2 inch non-PA. PA liquids from this
16-8D-12-15	4300750059	1	73006	In	pad would be combined with PA production from the existing 4-18 pad wells and other future pad
16A-8D-12-15	4300750140	1	73006	ln	production and same process for non-PA liquids (combined separately from PA wells).
10-8D-12-15	4300750145	1	73006	In	3) One 12 inch buried gas line to the main tie-in was laid.
9-8D-12-15	4300750146	1	73006	In	4) Up to ten 625-bbl and four 400-bbl tanks would be located on the 4-18 CTB. One 300 bbl low profile tank
12-9D-12-15	4300750144	1	73006	In	would be located on this pad CTB with up to ten 300 bbl low profile tanks on the SE 7 CTB.
13A-9D-12-15	4300750142	1	73006	In	
13-9D-12-15	4300750143	1	73006	In	

²Drill Phase 2 indicates that well(s) not initially planned to be drilled during the first phase of drilling on the pad.

For any questions you may have, please contact me at 303-312-8115.



	FORM 9					
	DEPARTMENT OF NATURAL RESOURCE: DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006			
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Qtr/Qtr: SESE Section: 08	Township: 12.0S Range: 15.0E Meridian: S		UTAH			
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NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
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SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
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	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON			
✓ DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL			
Report Date: 7/1/2011	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:			
	OMPLETED OPERATIONS. Clearly show all pertily 2011 Monthly Drilling Activity		olumes, etc.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY						
Brady Riley	303 312-8115	Permit Analyst				
SIGNATURE N/A		DATE 8/4/2011				

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006
SUNDF	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepen e Igged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: PRICKLY PEAR UF 10-8D-12-15
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43007501450000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300, D		E NUMBER: 2-8164 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0512 FSL 0960 FEL QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN:		COUNTY: CARBON
	Township: 12.0S Range: 15.0E Meridian: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION DMPLETED OPERATIONS. Clearly show all pertions of the company of th	eport attached. A Coil	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Columes, etc. ACCEPTED by the Utah Division of I, Gas and Mining RECORD ONLY
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
Brady Riley	303 312-8115	Permit Analyst	
SIGNATURE N/A		DATE 9/6/2011	



	y Pear I				8/16/2011				
4300750	1450000		State/Province	е	County	Field Nam West Ta		Well Status	Total Depth (ftKB) Primary Job Type 8,010.0 Drilling & Completion
Γime Log	g				,			•	
Start Time	Dur (hr)	End Time		DIGUE	Category		2252	0.500.14/41.1/.4410.14	Com
21:00		22:00	1		& TEARDOWN			G FOR WALK AND W	
22:00		23:30	14		UP B.O.P			JP BOPS AND FLOW	
23:30		02:00 02:30	15	TEST B.O.P			PS WITH B&C QUICE WEAR BUSHING	(IESI	
02:00 02:30	i entre en	05:00	21	OPEN				ORE JT'S OF 4.5" DR	III DIDE
05:00		06:00	20		TIONAL WORK		10 30 4000 80000 1000	MOTOR, BIT AND N	
									EW OBHO SOB
	y Pear I							3/2011 06:00	
API/UWI 4300750	1450000		State/Province	е	County	Field Nam West Ta		Well Status	Total Depth (ftKB) Primary Job Type 8,010.0 Drilling & Completion
Time Log						VVCSt 18	avaputo		0,010.0 Diming & Completion
Start Time	Dur (hr)	End Time	Code		Category				Com
06:00	100 100 100 100 100 100 100 100 100 100	06:30	6	TRIPS			TRIP IN		
06:30		08:00	9		FF DRILL LINE			CUT OFF DRLG LIN	E
08:00	2.00	10:00	21	OPEN				DRLG CMT @ 917'	
							FLOAT @		
10:00	20.00	06:00	2	DRILL A	ACTUAL		_	1025' T/ 5035'	
10.00	20.00	00.00	_	DIVILE?	(OTO/IL		BIT WT=		
							RPM= 35		
STK'S= 140									
Prickl	ly Pear I	ed#	10-8D-	-12-15	8/18/2011	06:00	- 8/19	9/2011 06:00	
API/UWI	1.450000		State/Province	е	County	Field Nam		Well Status	Total Depth (ftKB) Primary Job Type
4300750°						West Ta	avaputs		8,010.0 Drilling & Completion
Start Time	Dur (hr)	End Time	Code		Category				Com
06:00		15:00	2	DRILL A	ACTUAL		The state of the s	5035 T/ 6140	
							BIT WT=		
							RPM= 40 STK'S= 1		
15:00	1.00	16:00	5	COND	MUD & CIRC		the court section of	ACCESSES.	PUMP 2 SWEEPS AROUND
16:00	11.00		6	TRIPS	WOD a direct				BLEMS, BACK REAM MOST OF THE WAY OUT
03:00		04:00	20		TIONAL WORK		SWITCH OUT BITS AND MWD TOOLS		
04:00		06:00	6	TRIPS			TRIP INTO BTM		
Drick	v Door I	End #	10.80	12 15	8/19/2011	06:00		0/2011 06:00	
API/UWI	y real i		State/Province		County	Field Nam		Well Status	Total Depth (ftKB) Primary Job Type
4300750	1450000				Journey .	West Ta		Tron otatao	8,010.0 Drilling & Completion
Time Log									
Start Time 06:00	Dur (hr)	End Time	Code 6	TRIPS	Category		EINIIQU T	RIPPING TO BTM	Com
06:30		16:00	2		ACTUAL		BIT WT=		
00.30	9.50	10.00	_	DIVILL A	TOTOAL		RPM=40	47I\	
							STK'S= 1	30	
16:00	0.50	16:30	7	LUBRIC	CATE RIG		SERVICE	RIG, GREASE BLOC	KS CROWN AND BLACK JACK
16:30	13.50	06:00	2	DRILL /	ACTUAL		BIT WT=		
							RPM= 40		
							STK'S= 1	30	
					2 0/20/2014	06:00	- 8/2	1/2011 06:00	
Prickl	y Pear I	ed #	10-8D-	-12-15	0/20/2011			Well Status	Trada Danette (#KD)
API/UWI			10-8D-		County	Field Nam			Total Depth (ftKB) Primary Job Type
API/UWI 43007501	1450000								8,010.0 Drilling & Completion
API/UWI 43007501 Time Lo g	1450000 g		State/Province		County	Field Nam			8,010.0 Drilling & Completion
API/UWI 43007501	1450000 g Dur (hr)		State/Province	e		Field Nam			
API/UWI 4300750 Time Log Start Time	1450000 g Dur (hr)	End Time	State/Province	e	County	Field Nam	BIT WT =	: 28 K	8,010.0 Drilling & Completion
API/UWI 4300750 Time Log Start Time	1450000 g Dur (hr)	End Time	State/Province	e	County	Field Nam	BIT WT = STK'S = 1 RPM= 40	28 K 130	8,010.0 Drilling & Completion
API/UWI 4300750° Time Log Start Time 06:00	1450000 g Dur (hr) 4.50	End Time 10:30	E Code	DRILL A	Category ACTUAL	Field Nam	BIT WT = STK'S = RPM= 40 8010' = T	: 28 K 130	8,010.0 Drilling & Completion Com
API/UWI 4300750 Time Log Start Time	1450000 g Dur (hr) 4.50	End Time	State/Province	DRILL A	County	Field Nam	BIT WT = STK'S = RPM= 40 8010' = T	28 K 130	8,010.0 Drilling & Completion Com PUMP SWEEPS



Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com		
16:00	1.50	17:30	5	COND MUD & CIRC	CIRC. AND COND. MUD AND PUMP SWEEPS		
17:30	6.50	00:00	6	TRIPS	TRIP OUT FOR LOGS, AND L/D 36 JT'S OF DP, AND 15 JT'S OF HWDP		
00:00	1.00	01:00	20	DIRECTIONAL WORK	L/D MWD TOOL, BIT AND MOTOR		
01:00	5.00	06:00	11	WIRELINE LOGS	R/U HALIBURTON LOGGERS, LOG WELL, AND RIG DOWN THE SAME LOGGERS DEPTH = 8002.0		

the state of the s						
API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43007501450000		7700	West Tavaputs		8,010.0	Drilling & Completion

43007301430000		VVCSt		vvcst ravaputs	t ravaputs 0,010:0 Drilling & Completion		
Time Lo	g						
Start Time	Dur (hr)	End Time	Code		Category		Com
06:00	7.00	13:00	12	RUN CA	SING & CEMENT		ATHERFORD CSG CREW AND RUN 188 JT'S OF P-110 , 11.6#, 4.5" CTION CSG, WITH 2 MKR'S AND 60 CENTRALIZERS
13:00	1.00	14:00	5	COND N	IUD & CIRC	CIRC. WI	VITH RIG PUMPS
14:00	4.00	18:00	12	RUN CA	SING & CEMENT	PUMPED PUMPED PUMPED PUMPED PUMPED	LLIBURTON CMTERS AND PUMP CMT ON 4.5" PRODUCTION CSG AND ELL D 60 BBL'S OF WATER AND SUPER FLUSH SPACER D 513 SX/ 175 BBL'S OF LEAD CMT @ 12.5 PPG D 1220 SX/317 BBL'S OF TAIL CMT @ 13.4 PPG D 124 BBL'S OF CLAY WEB WATER DISPLACEMENT S OF CMT RETURNED TO SURFACE
18:00	2.00	20:00	14	NIPPLE	UP B.O.P	NIPPLE D	DOWN STACK TO SET SLIPS
20:00	0.50	20:30	21	OPEN			" CSG SLIPS WITH CAMERON T WT= 120,000

	FORM 9					
	5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006					
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. U		7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR			
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: PRICKLY PEAR UF 10-8D-12-15			
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43007501450000			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300, D		NE NUMBER: 2-8164 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0512 FSL 0960 FEL QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN:		COUNTY: CARBON			
	Township: 12.0S Range: 15.0E Meridian: S	5	STATE: UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME			
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK			
SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON			
✓ DRILLING REPORT	☐ TUBING REPAIR		☐ WATER DISPOSAL			
Report Date: 9/30/2011	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No September 2011 monthly drilling activity to report. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY NAME (PLEASE PRINT) PHONE NUMBER TITLE						
Brady Riley	303 312-8115	Permit Analyst				
SIGNATURE N/A		DATE 10/5/2011				

	FORM 9		
	5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006		
SUND	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	osals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. L s.		7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: PRICKLY PEAR UF 10-8D-12-15
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43007501450000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300,		NE NUMBER: 12-8164 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0512 FSL 0960 FEL			COUNTY: CARBON
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SESE Section: 08	IP, RANGE, MERIDIAN: Township: 12.0S Range: 15.0E Meridian: S	5	STATE: UTAH
11. CHE	ECK APPROPRIATE BOXES TO INDICAT	ΓΕ NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
l .	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE ✓ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION OMPLETED OPERATIONS. Clearly show all per Deing submitting to report this 10/10/2011.	well had first sales on	CHANGE WELL NAME CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Volumes, etc. ACCEPTED by the Utah Division of I, Gas and Mining R RECORD ONLY
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE Description	
Brady Riley SIGNATURE N/A	303 312-8115	Permit Analyst DATE 10/11/2011	

	FORM 9					
	5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006					
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	sals to drill new wells, significantly deepen e ugged wells, or to drill horizontal laterals. Us		7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR			
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: PRICKLY PEAR UF 10-8D-12-15			
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3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300, D		IE NUMBER: 2-8164 Ext	9. FIELD and POOL or WILDCAT: UNDESIGNATED			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0512 FSL 0960 FEL QTR/QTR, SECTION, TOWNSHI	IP, RANGE, MERIDIAN:		COUNTY: CARBON STATE:			
	Township: 12.0S Range: 15.0E Meridian: S		UTAH			
11. CHE	CK APPROPRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REPORT,	OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	_ ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
SUBSEQUENT REPORT	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK			
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION			
	REPERFORATE CURRENT FORMATION TURING REPAIR	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON			
✓ DRILLING REPORT	☐ TUBING REPAIR ☐ WATER SHUTOFF	☐ VENT OR FLARE ☐ SI TA STATUS EXTENSION	☐ WATER DISPOSAL			
Report Date: 10/31/2011			APD EXTENSION			
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. October 2011 monthly drilling activity report attached. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY FOR RECORD ONLY						
NAME (PLEASE PRINT) Brady Riley	303 312-8115	Permit Analyst				
SIGNATURE N/A		DATE 11/3/2011				



A DI // 13 A **	7					0/6/2011 06:00		
491/UWI 43-007-5	0145		State/Province	County	Field Name West Tavaputs	Well Status Total Depth (ftKB) Primary Job Type 8,010.0 Completion		
Time Lo					Troot Farapato	0,01010 00111010111		
Start Time	Dur (hr)	End Time		Category		Com		
06:00	6.00	12:00	LOCL	Lock Wellhead & Secu	ire SI.			
12:00	1.50	13:30	PTST	Pressure Test	Rig HE	IES & Cutters. Pressure test frac Y/tree/ Casing.		
13:30	1.00	14:30	PFRT	Perforating	casing	ers EL stage 1 Price River. RIH correlate to short jt. run to perf depth check depth to g collar.Perforate @ 7808-7810, 7793-7795, 7783-7785 &7767-7769, 3 SPF, 120 ing, 23 gram charge350 holes. POOH turn well over to frac.		
14:30	1.00	15:30	FRAC	Frac. Job	@ 5.2 l Rate:18 Rate: 1 Format ton. ISI	Safety meet. HES frac stage 1 Price River 70Q foam frac. Load & Break @ 3798 PSI @ 5.2 BPM. Avg. Wellhead Rate: 33.7 BPM. Avg. Slurry Rate: 13.7 BPM. Avg. CO2 Rate:18.8 BPM. Avg. Pressure:6197 PSI. Max Wellhead Rate: 35.8 BPM. Max Slurry Rate: 16.7 BPM. Max. Pressure: 7114 PSI. Total fluid Pumped:21,441 gal Total Sand in Formation:95,800 lb.(20/40 White) linde CO2 Downhole:132 ton. CO2 Cooldown: 3 ton. ISIP:3,427 PSI. Frac Gradient: 0.88 psi/ft. Successfully flushed well bore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.		
15:30	1.50	17:00	PFRT	Perforating	run to s 7567,	er EL stage 2 Price River. PU HES CFP with 8 ft. perf guns.RIH correlate to short jt o setting depth set CFP @ 7620 ft. PU Pressure up casing. Perforate @ 7565- , 7540-7544 & 7483-7485, 3 SPF. 120 phasing, 23 gram charge350 holes. H turn well over to frac.		
17:00	1.00	18:00	FRAC	Frac. Job	Avg. W Avg. Pr Max. C Total S CO2 C	frac stage 2 Price River 70Q foam frac. Load & Break @3747 PSI @17.3 BPM. Wellhead Rate:38.6 BPM. Avg Slurry Rate:15.7 BPM. Avg. CO2 Rate:21.5 BPM Pressure: 6252 PSI. Max Wellhead Rate:40.2 BPM. Max Slurry Rate:18.3 BPM. CO2 Rate: 25.7 BPM. Max. Pressure: 6968 PSI. Total fluid Pumped: 22,449 gal. Sand in Formation:104,000 lb.(20/40 White) Praxair CO2 Downhole: 143 ton. Cooldown: 3 ton. ISIP:3,268 PSI. Frac Gradient:0.88 psi/ft. Successfully flushed ore with 50Q foam 50 bbl ove rflush with 500 gal. fluid cap.		
8:00	4.00	22:00	PFRT	Perforating	seal to Pressu bad wir 7332,	Cutters El stage 3 Dark Canyon PU HES CFP 10 ft. perf guns. Problems getting grease seal to run in hole. RIH correlate to short jt. run to setting depth set CFP @ 7410 ft PU Pressure up casing. Perforate at 7364-7366, 7345-7347. PU guns shorted out. POOH bad wire. UP new gun RIH correlate to short jt. run to perf depth Perforate @ 7330-7332, 7314-7316 & 7292-7294. 3 SPF. 120 phasing. 23 gram charge350 holes. POOH turn well over to frac.		
22:00	1.00	23:00	FRAC	Frac. Job	Avg. W Avg Pri Max Co Total si Cooldo sand w and we	frac stage 3 Dark Canyon 70Q foam frac. Load & Break @ 4388 PSI @ 16.1 BPN Wellhead Rate: 37.1 BPM. Avg. Slurry Rate:12.9 BPM. Avg CO2 Rate:21.3 BPM Pressure: 7275 PSI. Max Wellhead Rate:39 BPM. Max Slurry Rate:16.9 BPM. CO2 Rate:21.3 BPM. Max Pressure:8048 PSI. Total fluid Pumped: 29,403 gal. sand in Formation:115,900 lb.(20/40 White) Linde CO2 Downhole:177 ton CO2 down: 3 ton. ISIP: 3.956 PSI. Frac Gradient:0.98 psi/ft. Pressure rose steadily one was on formation. CO2 pump kicked out in 2 # stage. Stayed in 3# stage. Cut sar went to flush-pumped 77% of designed sand (1160 sacks) Cut CO2 in overflush e. Successfully flushed wellbore with gel water.		
3:00		23.00	LOCI	Lock Wallhaad & Sacu	ire SIFN			
		23:00		Lock Wellhead & Secu				
	ly Pear I	Fed #		-12-15 10/6/20 ⁻				
PI/UWI 3-007- 5	0145		State/Province	County County	Field Name West Tavaputs	Well Status Total Depth (ftKB) Primary Job Type 8,010.0 Completion		
ime Lo					vvest ravaputs	5 0,010.0 Completion		
tart Time	Dur (hr)	End Time	e Code	Category		Com		
6:00		12:00	LOCL	Lock Wellhead & Secu	ire SI			
12:00	In the second second	14:00	PFRT	Perforating	Cutters short jt. 7174-7	rs EL stage 4 Dark Canyon. PU HES CFP with10 ft. perf guns RIH correlate to jt. run to setting depth set CFP @ 7220 ft. PU. Pressure up casing. Perforate @ -7176, 7164-7166, 7147-7149, 7102-7104 & 7088-7090. 3 SPF 120 phasing. 23 charge350 holes. POOH turn well over to frac.		
4:00	0.25	14:15	SMTG	Safety Meeting	safety I	y Meet. PPE, Flow back , flare, H2S. CO2, Frac, Wire line. Pressure test.		
4:15		15:45	FRAC	Frac. Job	HES W Change Wellhe Pressu CO2 R Sand ir ISIP:3,4	Waiting on CO2 pump to be started. frac stage 4 Dark Canyon 70Q foam frac. toge batters CO2 truck to start. Load & Break @4089 PSI @18.8 BPM. Avg. toge batters CO2 truck to start. Load & Break @4089 PSI @18.8 BPM. Avg. toge beat Start. Load & Break @4089 PSI @18.8 BPM. Avg. toge beat Start. Surry Rate: 21.5 BPM. Avg. CO2 Rate: 21.5 BPM. Avg. Surre: 6966 PSI. Max. Wellhead Rate: 40.2 BPM. Max. Slurry Rate: 19.1 BPM. Max. Rate: 25.5 BPM. Max. Pressure: 7888 PSI. Total Fluid Pumped; 35,296 gal. Total in Formation: 182,200 lb. (20/40 White) Praxair CO2 Downhole: 237 ton. 3,619 PSI. Frac Gradient: 0.95 psi/ft. Extended 3# stage due to high pressure. essfully flushed wellbore with 50Q foam 50 bbl over flush with 700 gal fluid cap.		



Time Log		End Time	Code	O-t			Com		
Start Time 15:45		18:15	PFRT	Perforating Category	to short 6440-64 .350 hol	it. run to setting depth set CFP 42, 6400-6402, 6320-6322 & es. POOH turn well over to fra			
18:15	1.25	19:30	FRAC	Frac. Job	Avg. We Avg Pre Max CO Total Sa Cooldov	HES frac stage 5 North Horn 50Q foam frac. Load & Break @ 3910 PSI @17.1 BPM. Avg. Wellhead Rate: 38.9 BPM. Avg Slurry Rate:21.5 BPM Avg CO2 Rate: 15.8 BPM Avg Pressure:5657 PSI. Max Wellhead Rate:40.8 BPM. Max Slurry Rate;26.5 BPM Max CO2 Rate: 25.5 BPM. Max Pressure:6434 PSI. Total Fluid Pumped;37,320 gal. Total Sand in Formation:130,000 lb.(20/40White) CO2 Downhole;129 ton. CO2 Cooldown:3 ton. ISIP:3,626 PSI Frac Gradient: 1.01psi/ft. Successfully flushed wellbore with 50g foam 50 bbl over flush with 500 gal. fluid cap.			
19:30	1.50	21:00	PFRT	Perforating	jt. run to 5919, 5	CutterS EL stage 6 North horn. PU HES CFP with 8 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5910 ft. PU. Pressure up casing. perforate @ 5915-5919, 5904-5906 & 5873-5875, 3 SPF, 120 phasing, 23 gram charge350 holes. POOH turn well over to frac. Slow running summer grease for grease head.			
21:00	1.50	22:30	FRAC	Frac. Job	pump jo Avg. Slu Wellhea Max Pre 92,000 Cooldov	HES frac stage 6 North horn 50Q foam frac Wait on CO2 loads. Used Prax & Linde to pump job Load & Break @ 3,540 PSI @17.1 BPM. Avg. Wellhead Rate: 33.9 BPM. Avg. Slurry Rate:18.7 BPM. Avg. CO2 Rate:13.8 BPM. Avg. Pressure: 5088 PSI. Max Wellhead Rate:36.9 BPM. Max Slurry Rate: 22.9 BPM. Max CO2 Rate:22.9 BPM. Max Pressure: 5652 PSI. Total fluid Pumped:27,807 gal. Total Sand in Formation: 92,000 lb. (20/40 White) Linde & Praxair pump job. CO2 Downhole: 93 ton CO2 Cooldown: 4 ton. ISIP:3,175 PSI Frac Gradient: 0.98 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap.			
22:30	7.50	06:00	LOCL	Lock Wellhead & Secure	SIFN. Li	nde 50 ton prax 45 ton on loc	load CO2 vessels		
Prickl	v Pear I	Fed #1	10-8D-	-12-15 10/7/2011	06:00 - 10/	8/2011 06:00			
API/UWI			tate/Provinc		Field Name	Well Status	Total Depth (ftKB) Primary Job Type		
43-007-5					West Tavaputs		8,010.0 Completion		
Time Log Start Time	Dur (hr)	End Time	Code	Category			Com		
06:00		11:45	LOCL	Lock Wellhead & Secure	SI.		Conf		
11:45		12:45	PFRT	Perforating	Cutters jt. run to 5612, 5	Cutters EL stage 7 North Horn. PU HES CFP with 8 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @ 5640 ft. PU. Pressure up casing. Perforate @ 5610-5612, 5520-5522, 5332-5336, 3 SPF, 120 phasing. 23 gram charge350 holes. POOH turn well over to frac.			
12:45	0.25	13:00	SMTG	Safety Meeting	Safety N				
13:00	1.00	14:00	FRAC	Frac. Job	Avg. We Avg Pre CO2 Ra sand In Cooldov	HES frac stage 7 North Horn 50Q foam frac. Load & Break @3507 PSI @17 BPM. Avg. Wellhead Rate: 34.8 BPM Avg Slurry Rate: 19 BPM. Avg CO2 Rate: 14.3 BPM Avg Pressure: 4698 PSI. Max Wellhead Rate: 38 BPM. Max Slurry Rate: 23 BPM. Max CO2 Rate: 26.9 BPM. Max Pressure: 5385 PSI. Total Fluid Pumped: 24.424 gal. Total sand In Formation: 79,900 lb. (20/40 White) Praxair CO2 Downhole: 85 ton. CO2 Cooldown: 3 ton. ISIP: 2,741 PSI. Frac Gradient: 0.94 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over fliush with 500 gal. fluid cap.			
14:00	1.00	15:00	PFRT	Perforating	short jt. 4908-49	Cutters EL Stage 8 Middle Wasatch. PU HES CFP with 8 ft. perf guns. RIH correlate to short jt. run to setting depth set CFP @4940 ft. PU. Pressure up Casing. Perforate @4908-4912, 4896-4898,& 4884-4885. 3 SPF. 120 phasing. 23 gram charge350 holes. POOH turn well over to frac.			
15:00	1.00	16:00	FRAC	Frac. Job	BPM. Av BPM Ma Total sa Cooldov	HES frac stage 8 middle Wasatch 40Q foam frac. Load & Break @3486 PSI @ 17.3 BPM. Avg Wellhead Rate:29.4 BPM Avg Slurry Rate:18.7 BPM Avg CO2 Rate: 9.4 BPM Avg Pressure:2988 PSI. Max Wellhead Rate:30.9 BPM Max Slurry Rate:22.8 BPM Max CO2 Rate:19 BPM. Max Pressure:4223 PSI. Total fluid Pumped:23,655 gal Total sand in Formation:65,800 lb.(20/40 White) Praxair CO2 Downhole:53 ton CO2 Cooldown: 3 ton. ISIP:2,287 PSI. Frac Gradient: 0.91 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal fluid cap.			
16:00	1.00	17:00	PFRT	Perforating	short jt. 4618-46	run to setting depth set CFP @	U HES CFP with 10 ft. perf guns RIH correlate to 04650 ft. PU. Pressure up casing. Perforate @ 4374-4376 & 4333-4335. 3SPF. 120 phasing. 23 vell over to frac.		



Time Lo	Time Log							
Start Time	Dur (hr)	End Time	Code	Category	Com			
17:00	1.00	18:00	FRAC	Frac. Job	HES frac stage 9 middle Wasatch 40 Q foam frac. Load & Break @1947 PSI @17.5 BPM. Avg. Wellhead Rate:39.3 BPM. Avg. Slurry Rate:24.8 BPM. Avg CO2 Rate:12.8 BPM. Avg Pressure: 3341 PSI. Max Wellhead Rate: 41.3 BPM. Max Slurry Rate: 30.3 BPM. Max CO2 Rate: 25.4 BPM. Max Pressure: 3807 PSI. Total fluid Pumped: 41,640 gal. Total sand in Formation: 132,200 lb.(20/40White) Linde CO2 Downhole:101 ton. CO2 Cooldown:4 ton. ISIP:2,000 PSI. Frac Gradient: 0.89 psi/ft. Successfully flushed wellbore with 50Q foam 50 bbl over flush with 500 gal. fluid cap. Successfully flushed wellbore with 50Q foam 10 bbl over flush with 500 gal. fluid cap.			
18:00	2.00	20:00	SRIG	Rig Up/Down	SI. Rig Cutters and HES frac off well.			
20:00	10.00	06:00	FBCK	Flowback Well	Flow back stages 1-9 thru. Cathedral flow equipmentTotal Fluid pumped 6272 bbl.			

Prickly Pear Fed #10-8D-12-15 10/8/2011 06:00 - 10/9/2011 06:00

API/UWI	State/Province	County	Field Name	Well Status	Total Depth (ftKB)	Primary Job Type
43-007-50145			West Tavaputs		8,010.0	Completion

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	6.00	12:00	FBCK		Flow back stages 1-9 FCP: 880 psi on 3/4 ck. Recovered 514 BBL. Avg. of 32.12 BPH. CO2:40%. H2S: 16 ppm. Fluid left to recover 5758.
12:00	18.00	06:00	FBCK	Flowback Well	Flow stages 1-9

www.peloton.com Page 3/3 Report Printed: 11/2/2011

Sundry Number: 29011 API Well Number: 43007501450000

	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		FORM 9				
ι	5.LEASE DESIGNATION AND SERIAL NUMBER: utu73006						
SUNDR	SUNDRY NOTICES AND REPORTS ON WELLS						
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal l n for such proposals.		7.UNIT or CA AGREEMENT NAME: PRICKLY PEAR				
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: PRICKLY PEAR UF 10-8D-12-15				
2. NAME OF OPERATOR: BILL BARRETT CORP			9. API NUMBER: 43007501450000				
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300		NE NUMBER: 312-8164 Ext	9. FIELD and POOL or WILDCAT: NINE MILE CANYON				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0512 FSL 0960 FEL			COUNTY: CARBON				
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 8 Township: 12.0S Range: 15.0E Meridian: S		STATE: UTAH				
11. CHECK	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	LTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	HANGE TUBING	CHANGE WELL NAME				
,	CHANGE WELL STATUS	OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN F	RACTURE TREAT	☐ NEW CONSTRUCTION				
8/16/2012	OPERATOR CHANGE	LUG AND ABANDON	PLUG BACK				
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
2	REPERFORATE CURRENT FORMATION S	IDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	ENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT Report Date:	WATER SHUTOFF S	I TA STATUS EXTENSION	APD EXTENSION				
	☐ WILDCAT WELL DETERMINATION ☐ C	THER	OTHER:				
	COMPLETED OPERATIONS. Clearly show all person the above referenced well loo Pear SE 8 Pad, on 8/16/2012.	the appropriate the state of th	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 16, 2012				
Brady Riley	303 312-8115	Permit Analyst					
SIGNATURE N/A		DATE 8/16/2012					

Form 3160-4 (August 2007)

UNITED STATES

FORM APPROVED

			BURE	AU OF	LANI	D MANA	VIERIOR GEMENT								1004-0137 dy 31, 2010	
		COMF	PLETION	OR R	ECO	MPLET	ION REI	PORT	AND LO	G			ease Serial			
la. Type b. Type	of Well [of Completic	Oil We	il 🛭 Gar New Well	Well W	ork Ov	-	Other Deepen	C Div	g Back	l Dies I	· · · · · · ·	6. I	f Indian, A	lottee	or Tribe Name	
		_	her						_	Diff. F	cesvr.	7. T	nit or CA	Agreen	nent Name and No.	
BILL	of Operator BARRETT C			E-Mail:	mfinn	Contact: egan@bi	MEGAN FI	NNEG p.com	AN			8. I	ease Name	and W	/eli No. UNIT FEDERAL 10-80	∟12 -15
	DENVE	R, CO 80					IPh: 3	303-29	io. (include ar 19-9949	ea code))		PI Well N		43-007-50145	-12-10
4. Location			ation clearly a	ınd in ac	corda	ice with F	ederal requi	remente	s)*			10.	Field and P	ool, or	Exploratory	
	prod interval			/SE 179	93FSI.	. 1746FEI	l					11.	Sec., T., R.	, M., o	r Block and Survey 12S R15E Mer SLB	
			2FSL 1897		BI		ny HS	M				12.	County or I		13. State	
14. Date 9 05/21/	Spudded /2011		15. I	Date T.D 8/20/20	. Reac		1		Completed A Z Res 0/2011	ady to P	rod.		Elevations	(DF, K 59 GL	B, RT, GL)*	
18. Total		MD TVD	8010 7532	?	•	Plug Back		MD TVD	7951 -7482	740	20. Dej	th Bri	dge Plug S	et;	MD TVD	
21. Type I	Electric & Ot TRIPLE CO	her Mech MBO, BO	anical Logs I DREHOLE,	tun (Sub	mit co	py of each)		22	. Was v	vell core		No No	☐ Ye	s (Submit analysis)	
	1		ort all string								ional Su		No No	Ye Ye	s (Submit analysis) s (Submit analysis)	
Hole Size			Wt. (#/ft.)	To		Bottom	Stage Ce	menter	No. of Si	s. &	Slurry	Vol.	<u> </u>			
24.00		0 COND		(M	D) O	(MD)	Dep		Type of C	ement	(BB		Cement	Top*	Amount Pulled	
12.25		625 J-55		_	0	104	7	62 1025		460	-	110		0		
7.87	5 4.5	00 P-110	11.6		0	801	0	7995		1733		492		736	15000	
				\vdash	\dashv					-						
24 75.11											 					
24. Tubing	Depth Set (1	MD) I	Packer Depth	(MD)	Siz	. I De	oth Set (MD	, T ,	- t- D- d-6	T		T _				
			tonor Dopar	(1.110)	312	120	un set (MD		acker Depth (MD)	Size	De	pth Set (M	D)	Packer Depth (MD)	
	ing Intervals						6. Perforatio					<u>'</u>				
A)		ATCH	Тор	4333	Bot	6442	Perf	orated .	Interval 4333 TO 6	142	Size		o. Holes		Perf. Status	
В)	MESAVI			7088		7810			7088 TO 7		0.34 0.34	_		OPE		
C) D)			-													
	racture, Treat	tment, Cer	ment Squeeze	e, Etc.										<u> </u>		
	Depth Interv	_						Aı	nount and Ty	e of Ma	terial					
			442 WASAT 810 MESAV													
						(LE (1) (M.2)	TOTAGEG						-			
28. Product	ion - Interval	Α	_													
Date First	Test	Hours	Test	Oil		RS .	Water	Oil Gra	wity	Gas		mduetic	n Method			
Produced 10/10/2011	Date 10/11/2011	Tested 24	Production	BBL 0.0		CF 3613.0	BBL 0.0	Corr. A		Gravity	ľ	. soonaa		10 EDC	M WELL	
Choke Size	Tog. Press. Flwg.	Cag. Press.	24 Hr. Rate	Oil BBL	G M		Water BBL	Gas:Oi Ratio	ī	Well Sta	hus		FLOW	3 FRU	MA AAETT	
36/64	SI	475.0		0		3613	0	Kauo	0	PG	₩					
28a. Produc	tion - Interva	l B Hours	Test	Oil	- I-		77-	Tar =								
Produced	Date	Tested	Production	BBL	G M		Water BBI,	Oil Gra Corr. A		Gas Gravity	ļ.	roductio	n Method		RECEIVED)
Choke Size	Tog. Press. Flwg. SI	Cag. Press.	24 Hr. Rate	Oil BBL	G M		Water BBL	Gas;Oil Ratio		Well Stat	ALS				NOV 1 0 2011	
~						1		J		J						

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #122973 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

OF OIL, GAS & MINING

001 73 1											
Date First	ction - Interv										
Produced	Test Date	Hours Tested	Test Production	OH BBL	Gen MCF	Water BBL	Oil Gravity Corr. API		ias invity	Production Method	
Choke Size	Tog. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	OH BBL	Gas MCF	Water BBL	Ges:Oil Ratio	w	Vell Status		
28c, Produ	ction - Interv	d D			<u> </u>	<u> </u>					
Date First Produced	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	IG	ns .	D. A. C. 164 1	
Choke	Tbg. Press.	Tested	Production	BBL	MCF	BBI.	Corr. API		ravity	Production Method	
Size	Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	W	'ell Status		
29. Disposi SOLD	tion of Gas(S	old, used j	for fuel, vente	ed, etc.)	·						
30. Summa	ry of Porous	Zones (Inc	lude Aquifer	s):					101 5		
Show at	ll important z cluding depth	oner of no	rority and a		of: Cored in tool open, f	tervals and lowing and	all drill-stem shut-in pressure	%	51. FOR	nation (Log) Markers	
F	ormation		Тор	Bottom		Descriptio	ns, Contents, etc	3.		Name	Тор
grout. 8	al remarks (ir s calculated i 3/4 hole siz le size was d	by CBL.	First sales	terms am dO	/10/2011. (om of surfa	Conductor ace casing	was cemented to 6140' then	l with	NOF DAF	SATCH RTH HORN RK CANYON CE RIVER	Meas, Depth 3001 5287 7082 7370 8010
	closed attachr ical/Mechanic y Notice for p	al Logs (Geologic F	-		. DST Repo	rt 4. Directions	ıl Survey
24 711			-								
34. I hereby (certify that the	foregoin	g and attache Electron	uc Sudmiss	100 #12297:	3 Verified I	hy the REM We	III Inform	motton Couts	cords (see attached instruction	s):
				For BILI	L BARRET	T CORPO	RATION, sent	to the P	rice	:21.Lo	
Name (ple	ease print) M	EGAN FI	NNEGAN	Λ		_	Title PE	RMITA	NALYST		
Signature		echonic	Copmission	4	~j	\sim	Date <u>11/</u>	/10/2011	<u></u>		-
Title 18 U.S.O of the United	C. Section 100 States any fal)1 and Titi se, fictitio	ie 43 U.S.C. : us or fradule	Section 1212 nt statement	2, make it a s or represe	crime for a	ny person knowi to any matter wit	ngly and thin its in	willfully to	make to any department or age	ncy

Prickly Pear Unit Federal 10-8D-12-15 Completion Report Continued*

44. ACID, FI	4. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont										
	AMOUNT AND TYPE OF MATERIAL										
Stage	Bbls Slurry	lbs 20/40 White Sand									
1	614	95,800									
2	647	104,000									
3	825	115,900									
4	1,037	182,200									
5	1,029	130,000									
6	761	92,000									
7	668	79,900									
8	634	65,800									
9	1,134	132,200									

^{*}Depth intervals for frac information same as perforation record intervals.

RECEIVED NOV 1 0 2011

DIV. OF OIL, GAS & MINING

Bill Barrett Corp.

Carbon County, UT [NAD27]
Prickly Pear SE 8 Pad
Prickly Pear UF 10-8D-12-15

Wellbore #1

Design: Wellbore #1

Standard Survey Report

09 November, 2011



WELL DETAILS: Prickly Pear UF 10-8D-12-15

Bill Barrett Corporation

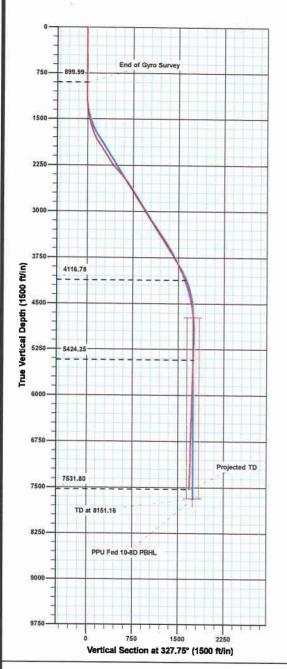
US State Plane 1927 (Exact solution) , Utah Central 4302 , NAD 1927 (NADCON CONUS)

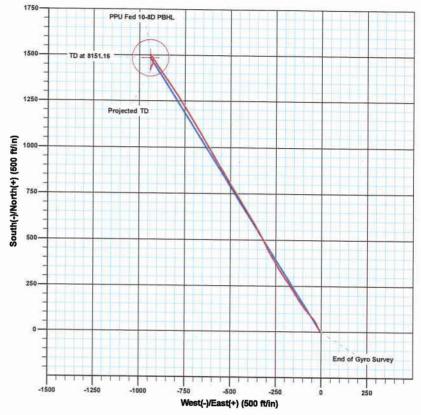
Ground Level: 7259.00

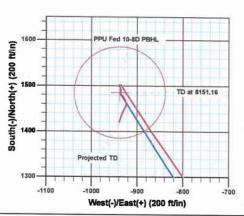
Ground Level: 7259.00

-N/-S +E/-W Northing Easting Latitude
0.00 0.00 530227.76 2350146.11 39° 46' 56.65 N

Longitude 110° 15' 14.46 W







Azimuths to True North Magnetic North: 11.36°

Magnetic Field

Strength: 52145.3snT Dip Angle: 65.56° Date: 03/25/2011 Model: IGRF200510

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Departure	Annotation
899.99	900.00	0.450	153.93	-0.31	-0.66			End of Gyro Survey
4116.78		20.700	324.20	1373.36	-848.81	1614.43	1621.11	As of Aug. 18
5424.25	5901.00	2.000	184.10	1489.50				As of Aug 19
7531.80	8010.00	2.500	195.20	1420.06				Projected TD



Sharewell

Survey Report



Company:

Bill Barrett Corp.

Project:

Carbon County, UT [NAD27]

Site: Well: Prickly Pear SE 8 Pad Prickly Pear UF 10-8D-12-15

Wellbore:

Wellbore #1

Design:

Wellbore #1

Local Co-ordinate Reference:

TVD Reference;

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well Prickly Pear UF 10-8D-12-15

GL @ 7259.00ft

GL @ 7259.00ft

True

Minimum Curvature

Compass VM

Project

Carbon County, UT [NAD27]

Map System:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

Geo Datum: Map Zone:

Utah Central 4302

System Datum:

Mean Sea Level

Using geodetic scale factor

Site

Prickly Pear SE 8 Pad

Site Position: From:

Lat/Long

Northing:

530,186.64 usft 2,350,121.95 usft

Latitude: Longitude:

39° 46′ 56.25 N

Position Uncertainty:

0.00 ft

Easting: Slot Radius:

1.10 ft

110° 15' 14.78 W

0.80°

Grid Convergence:

Well

Prickly Pear UF 10-8D-12-15

Well Position

+N/-S +E/-W

0.00 ft 0.00 ft

Northing: Easting:

530,227.76 usft 2,350,146.11 usft

Latitude: Longitude: 39° 46' 56.65 N

Position Uncertainty

0.00 ft

Wellhead Elevation:

ft

Ground Level:

110° 15' 14.46 W

7,259.00 ft

0.00

Wellbore

Wellbore #1

Magnetics

Model Name

Sample Date

Declination (°)

Dip Angle (°)

Field Strength

(nT)

327.75

IGRF200510

03/25/11

0.00

11.36

65.56

52,145

Design

Wellbore #1

Audit Notes:

Version:

1.0

Phase:

ACTUAL

Tie On Depth:

0.00

Depth From (TVD)

+N/-S

0.00

Direction

Vertical Section:

(ft)

(ft)

+E/-W (ft)

(°)

Date 11/09/11

Survey Program From (ft)

То (ft)

Survey (Wellbore)

Tool Name

Description

100.00 1,065.00

900.00 Gyro Surveys (Wellbore #1) 8,010.00 MWD Surveys (Wellbore #1) MWD MWD MWD - Standard MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100 ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.370	264.61	100.00	-0.03	-0.32	0.15	0.37	0.37	0.00
200.00	0.140	242.55	200.00	-0.12	-0.75	0.30	0.25	-0.23	-22.06
300.00	0.210	294.17	300.00	-0.10	-1.03	0.46	0.16	0.07	51.62
400.00	0.150	320.90	400.00	80.0	-1.28	0.75	0.10	-0.06	26.73
500.00	0.160	352.70	500.00	0.32	-1.38	1.00	0.09	0.01	31.80
600.00	0.110	45.46	600.00	0.52	-1.33	1.15	0.13	-0.05	52.76
700.00	0.050	53.29	700.00	0.62	-1.22	1.17	0.06	-0.06	7.83
800.00	0.400	148.94	800.00	0.34	-1.01	0.83	0.41	0.35	95.65
900.00	0.450	153,93	899.99	-0.31	-0.66	0.09	0.06	0.05	4.99

Sharewell

Survey Report



Company:

Bill Barrett Corp.

Project:

Carbon County, UT [NAD27]

Site: Well: Prickly Pear SE 8 Pad Prickly Pear UF 10-8D-12-15

Wellbore:

Wellbore #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference: **Survey Calculation Method:**

Well Prickly Pear UF 10-8D-12-15

GL @ 7259.00ft

GL @ 7259.00ft

True

Minimum Curvature

sign:	vvel	lbore #1			Database:			Compass VM		
ey 										
	sured	_		Vertical			Vertical	Dogleg	Build	Turn
	pth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
ţ	ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
1	,065.00	0.100	41.50	1,064.99	-0.78	-0.28	-0.51	0.30	-0.21	-68.14
1	,160.00	2.400	342.40	1,159.96	1.18	-0.82	1.43	2.47	2.42	-62.21
1	,255,00	4.200	327.20	1,254.80	6.00	-3.31	6.84	2.09	1.89	-16.00
1	,350.00	7.000	330.00	1,349.34	13.94	-8.09	16.10	2.96	2.95	2.95
1.	,445.00	10.500	334.90	1,443.22	26.79	-14.66	30.48	3.76	3.68	5.16
1	,540.00	14.000	333.90	1,536.04	44.96	-23.39	50.50	3.69	3.68	-1.05
1,	,633.00	17.200	322.40	1,625.63	65.96	-36.73	75.39	4.77	3.44	-12.37
1,	728.00	21.900	317.80	1,715.13	90.23	-57.22	106.84	5.20	4.95	-4.84
1,	823.00	27.500	321.70	1,801.41	120.60	-82.73	146.14	6.14	5.89	4.11
1,	,918.00	32.800	326.90	1,883.54	159.40	-110.40	193.72	6.21	5.58	5.47
2	012.00	34.500	328.90	1,961.79	203.53	-138.06	245.80	2.16	1.81	2.13
2	107.00	31.500	327.40	2,041.46	247.48	-165.33	297.53	3.27	-3.16	-1.58
2	202.00	31.600	324.40	2,122.42	288.63	-193.20	347.20	1.66	0.11	-1.56 -3.16
2,	297.00	35.000	327.80	2,201.82	331.94	-222.21	399.31	4.08	3.58	3.58
2,	392.00	40.800	329.70	2,276.75	381.84	-252.42	457.62	6.23	6.11	2.00
2,	487.00	42.600	332.20	2,347.68	437.08	-283.08	520.71	2.58	1.89	2.63
2,	582.00	40.400	332.20	2,418.83	492.76	-312.43	583.46	2.32	-2.32	0.00
2,	677.00	38.200	331.10	2,492.34	545.72	-340.99	643.49	2.43	-2.32	-1.16
2,	773.00	34.700	329.20	2,569.55	595.19	-369.34	700.46	3.83	-2.52 -3.65	
2,	867.00	31.900	328.60	2,648.11	639.38	-395.99	752.05	3.00	-2.98	-1.98 -0.64
2,	962.00	31.100	328.80	2,729.11	681.80	-421.77	801.68	0.85	-0.84	0.21
3,	055.00	33.100	327.80	2,807.89	723.83	-447.75	851.09	2.23	2.15	-1.08
3,	150.00	31.700	327.80	2,888.10	766.91	-474.88	902.00	1.47	-1.47	0.00
3,	245.00	33.700	329.60	2,968.04	810.77	-501.52	953,30	2.34	2.11	1.89
3,	340.00	31.100	329.40	3,048.24	854.62	-527.35	1,004.18	2.74	-2.74	-0.21
3,	434.00	31.300	328.00	3,128.65	896.23	-552.64	1,052.86	0.80	0.21	-1.49
3,	529.00	35.800	329.90	3,207.81	941.22	-579.67	1,105.34	4.86	4.74	2.00
3,	624.00	35.100	328.80	3,285.19	988.62	-607.75	1,160.41	1.00	-0.74	-1.16
3,	719.00	34.000	329.50	3,363.44	1,034.87	-635.38	1,214.27	1.23	-1.16	0.74
3,	814.00	32.600	329.30	3,442.84	1,079.76	-661.93	1,266.40	1.48	-1.47	-0.21
3,	909.00	31.100	328.10	3,523.53	1,122.60	-687.97	1,316.52	1.71	-1.58	-1.26
4,	004.00	30.100	328.40	3,605.30	1,163.72	-713.41	1,364.88	1.06	-1.05	0.32
. 4,	099.00	29.800	328.10	3,687.62	1,204.05	-738.37	1,412.31	0.35	-0.32	-0.32
	194.00	28.700	329.30	3,770.50	1,243.71	-762.49	1,458.72	1.31	-1.16	1.26
4,	289.00	26,000	326.40	3,854.88	1,280.68	-785.67	1,502.35	3.17	-2.84	-3.05
4,	384.00	23.800	325.80	3,941.04	1,313.88	-807.97	1,542.33	2.33	-2.32	-0.63
4,	479.00	22.400	326.00	4,028.42	1,344.74	-828.86	1,579.58	1.48	-1.47	0.21
4,	574.00	20.700	324.20	4,116.78	1,373.36	-848.81	1,614.43	1.92	-1.79	-1.89
4,	669.00	19.600	325.60	4,205.97	1,400.13	-867.63	1,647.11	1.26	-1.16	1.47
4,	763.00	16.100	327.20	4,295.43	1,424.10	-883.61	1,675.91	3.76	-3.72	1.70
4,	858.00	13.900	327.80	4,387.19	1,444.83	-896.82	1,700.49	2.32	-2.32	0.63
4,	953.00	11.600	325.70	4,479.84	1,462.38	-908.29	1,721.45	2.47	-2.42	-2.21
5	048 00	9 600	326.20	A 573 21	1 476 86	019.09	4 700 00			

5,048.00

9.600

326.20

4,573.21

-918.08

1,738.92

2.11

-2.11

1,476.86

0.53

Sharewell

Survey Report



Company:

Bill Barrett Corp.

Project:

Carbon County, UT [NAD27]

Site: Well: Prickly Pear SE 8 Pad Prickly Pear UF 10-8D-12-15

Wellbore: Design: Wellbore #1 Wellbore #1 Local Co-ordinate Reference:

TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Database:

Well Prickly Pear UF 10-8D-12-15

GL @ 7259.00ft

GL @ 7259.00ft

True

Minimum Curvature Compass VM

Survey

5,238,00 4,300 330,00 4,761,70 1,496,73 -930,40 1,762,30 3,05 -3,05 5,333,00 2,900 317,10 4,856,51 1,501,58 -933,82 1,768,23 1,69 -1,47 -1 5,428,00 1,900 224,00 4,951,45 1,500,04 -937,32 1,768,80 1,80 -0,63 -8 5,623,00 1,000 164,80 5,141,40 1,498,21 -936,79 1,766,96 0,32 -0,32 -0,32 -5,711,00 1,900 149,90 5,234,37 1,496,10 -935,80 1,764,65 1,04 0,97 -1 5,806,00 2,200 168,80 5,329,31 1,492,95 -934,66 1,761,37 0,77 0,32 1 5,991,00 2,000 184,10 5,424,25 1,489,50 -934,42 1,758,34 0,62 0,21 1 1,599,00 1,00 12,40 193,60 5,614,13 1,482,96 -934,60 1,752,90 1,03 0,63 2 1,686,00	5,238.00	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,238.00 4,300 330.00 4,761.70 1,496.73 -930.40 1,762.30 3.05 -3.05 5,333.00 2,900 317.10 4,856.51 1,501.58 -933.82 1,768.23 1,69 -1,47 -1 5,428.00 1,900 224.00 4,951.45 1,500.04 -937.32 1,768.80 1.80 -0.63 -6 5,618.00 1.000 164.80 5,141.40 1,498.21 -936.79 1,766.96 0.32 -0.32 -0.32 5,711.00 1.900 149.90 5,234.37 1,496.10 -935.80 1,764.65 1.04 0.97 -1 5,806.00 2,200 168.80 5,329.31 1,492.95 -934.66 1,761.37 0.77 0.32 1 5,990.00 2,000 184.10 5,424.25 1,489.50 -934.60 1,755.34 0.62 0.21 1 6,991.00 2,400 193.60 5,614.13 1,462.96 -934.60 1,755.90 1.03 0.63 2 6,280	5,238.00 4.300 330.00 4,761.70 1,496.73 -930.40 1,762.30 3.05 -3.05 5,333.00 2.900 317.10 4,856.51 1,501.58 -933.82 1,768.23 1.69 -1,47 -5428.00 1,900 224.00 4,951.45 1,502.21 -936.55 1,770.21 3,74 -1,05 -655.23.00 1,300 162.80 5,046.42 1,500.04 -937.32 1,768.80 1.80 -0.63 -656.80 5,618.00 1,000 164.80 5,141.40 1,498.21 -936.79 1,768.80 1.80 -0.63 -656.80 5,618.00 1,000 164.80 5,141.40 1,498.10 -935.80 1,764.65 1.04 0.97 -67 5,806.00 1,800 1,200 1,488.50 -934.60 1,761.37 0.77 0.32 -7,590.00 2,000 1,880 1,751.90 1,486.37 -934.60 1,752.80 1,03 0.63 2,002 1,486.37 -934.60 1,752.80 1,03 0.63 2,002 1,486.37	5,143.00	7.200	329.00	4,667.19	1,488.54	-925.55	1,752.79	2.56	-2.53	2.95
5,428.00	5,428.00 1.900 224.00 4,951.45 1,502.21 936.55 1,770.21 3.74 -1.05 1,552.30 1.300 162.80 5,046.42 1,500.04 937.32 1,788.80 1.80 -0.63 5,618.00 1.000 164.80 5,141.40 1,498.21 936.79 1,766.96 0.32 -0.32 5,711.00 1.900 149.90 5,234.37 1,496.10 935.80 1,764.65 1.04 0.97 -0.32 1,766.96 0.32 -0.32 5,711.00 1.900 149.90 5,234.37 1,496.10 935.80 1,764.65 1.04 0.97 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 -0.32 1,766.96 0.32 1,764.65 1.04 0.97 -0.32 1,766.96 0.32 1,766.96 1.04 0.97 -0.32 1,766.96 0.32 1,766.96 1.04 0.97 -0.32 1,766.96 1.04 0.97 -0.32 1,766.96 1.04 0.97 -0.32 1,766.96 1.04 0.97 1,766.96 1.04 0.97 1,766.96 1.04 0.97 1,766.96 1.04 0.97 1,766.96 1.04 0.97 1,766.96 1.04 0.97 1,766.96 1.04 0.97 1,766.96 1.04 0.97 1,766.96 1.05 1,766.96 1.0	5,238.00	4.300	330.00	4,761.70	1,496.73	-930.40	1,762.30			1.05
5,428.00 1,900 224.00 4,951.45 1,502.21 -936.55 1,770.21 3,74 -1.05 -9 5,523.00 1,300 162.80 5,046.42 1,500.04 -937.32 1,768.80 1.80 -0.63 -6 5,618.00 1.000 144.80 5,141.40 1,498.21 -936.79 1,766.98 0.32 -0.32 -0.32 5,711.00 1.900 149.90 5,234.37 1,496.10 -935.80 1,764.65 1.04 0.97 -1 5,806.00 2.200 168.80 5,329.31 1,492.95 -934.66 1,761.37 0,77 0.32 1 5,901.00 2.000 184.10 5,424.25 1,489.50 -934.42 1,758.34 0.62 -0.21 11 5,996.00 1,800 172.10 5,519.20 1,486.37 -934.33 1,755.64 0.47 -0.21 -1 6,091.00 2.400 193.60 5,614.13 1,482.96 -934.60 1,762.90 1.03 0.63 2 6,186.00 1.100 102.30 5,709.10 1,480.83 -934.17 1,750.87 2.80 -1.37 -9 6,280.00 1,900 133.80 5,803.07 1,479.56 -932.17 1,748.73 1.19 0.85 33 6,374.00 2.000 147.10 5,897.02 1,477.11 -930.15 1,745.57 0.49 0.11 1.6 6,489.00 2.000 147.10 5,897.02 1,477.11 -930.15 1,745.57 0.49 0.11 1.6 6,699.00 1,900 153.20 6,181.87 1,499.56 -925.00 1,736.44 0.64 0.32 1.6 6,564.00 1.600 135.70 6,086.91 1,471.91 -926.63 1,739.30 0.61 -0.42 -1 6,659.00 1.900 153.20 6,181.87 1,469.56 -925.00 1,736.44 0.64 0.32 1.6 6,564.00 1.600 135.70 6,086.91 1,471.91 -926.83 1,739.30 0.61 -0.42 -1 6,649.00 2.000 147.10 6,469.56 -925.00 1,736.44 0.64 0.32 1.7 1,730.00 2.500 195.40 6,655.29 1,457.79 4 -922.88 1,729.93 0.11 0.00 1.6 6,483.00 1.100 171.80 6,465.71 1,460.54 -922.88 1,729.93 0.11 0.00 1.6 6,943.00 1.100 171.80 6,465.71 1,460.54 -922.88 1,729.93 0.11 0.00 1.7 1,470.00 2.500 195.40 6,652.59 1,454.47 -922.73 1,725.40 1.35 1.20 2.7 7,130.00 2.500 195.40 6,652.59 1,454.47 -923.69 1,727.45 1.06 -1.05 1.7 7,130.00 2.500 195.40 6,652.59 1,454.47 -923.69 1,720.77 0.93 0.93 0.94 1.7 0.21 1.7 7,444.00 2.500 2.165.0 6,936.36 1,444.06 -928.62 1,718.76 0.71 0.21 1.7 7,444.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,718.76 0.71 0.21 1.7 7,444.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1.7 7,604.00 2.500 20.390 7,126.23 1,437.71 -931.76 1,707.00 7,07 0.70 0.74 1.7 7,709.00 2.500 20.900 7,031.30 1,444.00 -930.38 1,715.16 0.95 0.77 1.02 1.7 7,709.00 2.500 20.900 7,031.30 1,444.00 -9	5,428.00 1,900 224.00 4,951.45 1,502.21 -936.55 1,770.21 3.74 -1.05 -5.523.00 1,300 162.80 5,046.42 1,500.04 -937.32 1,768.80 1.80 -0.63 -6.63	5,333.00	2.900	317.10	4,856.51	1,501.58	-933.82	1,768.23	1.69	-1.47	-13.58
5,523,00 1,300 162,80 5,046,42 1,500,04 -937,32 1,768,80 1.80 -0.63 -66 5,618,00 1,000 164,80 5,141,40 1,498,21 -936,79 1,766,96 0.32 -0.32 -0.32 -571,00 1,900 149,90 5,234,37 1,496,10 -935,80 1,764,65 1,04 0.97 -1 5,806,00 2,200 168,80 5,234,37 1,492,95 -934,66 1,761,37 0,77 0.32 1 1,759,90 0.00 1,761,00 0.02 0.00 1,752,90 1,758,34 0.62 -0.21 1 1,599,90 0.00 1,800 1,721,0 5,519,20 1,486,37 -934,42 1,758,34 0.62 -0.21 1 1,599,90 0.03 0.63 2 1,609,100 2,400 193,60 5,614,13 1,482,96 -934,60 1,752,90 1.03 0.63 2 1,6186,00 1,730,80 2,80 1,137 9 1,628,00 1,736,08 2,80 1,73	5,523,00 1,300 162,80 5,046,42 1,500,04 -937,32 1,768,80 1,80 -0,63 -6 5,618,00 1,000 164,80 5,141,40 1,498,21 -936,79 1,766,96 0.32 -0,32 -		1.900	224.00	4,951.45	1,502.21	-936.55	1,770.21	3.74	-1.05	-98.00
5,618.00 1,000 164.80 5,141.40 1,488.21 -936.79 1,766.96 0.32 -0.32 5,711.00 1,900 149.90 5,234.37 1,496.10 -935.80 1,764.65 1.04 0.97 -1 5,806.00 2,200 188.10 5,329.31 1,492.95 -934.66 1,761.37 0.77 0.32 1 5,996.00 1,800 172.10 5,519.20 1,486.37 -934.42 1,758.34 0.62 0.21 -1 6,091.00 2,400 193.60 5,614.13 1,482.96 -934.60 1,752.90 1.03 0.63 2 6,186.00 1,100 102.30 5,709.10 1,480.83 -934.17 1,750.87 2.80 -1.37 -9 6,280.00 1,900 133.80 5,803.07 1,479.56 -932.17 1,748.73 1.19 0.85 33 6,374.00 2,000 149.30 5,991.96 1,474.19 -928.41 1,745.57 0.49 0.11 1	5,618.00 1.000 164.80 5,141.40 1,498.21 -936.79 1,766.96 0.32 -0.32 5,711.00 1.900 149.90 5,234.37 1,496.10 -935.80 1,764.65 1.04 0.97 -6 5,806.00 2.200 168.80 5,329.31 1,492.95 -934.66 1,761.37 0.77 0.32 1,759.90 1,759.34 0.62 -0.21 1,759.90 1,800 172.10 5,519.20 1,486.37 -934.33 1,755.64 0.47 -0.21 -1,759.90 1,03 0.63 6,910.00 2,400 193.60 5,614.13 1,482.96 -934.60 1,752.90 1,03 0.63 6,186.00 1,100 102.30 5,709.10 1,480.83 -934.17 1,750.87 2,80 -1.37 -6,280.00 1,900 133.80 5,803.07 1,479.56 -932.17 1,748.73 1,19 0.85 3,740.00 2,000 147.10 5,897.02 1,477.11 -930.15 1,745.57 0.49 0.11 1,649.90 1,474.2		1.300	162.80	5,046.42	1,500.04	-937.32	1,768.80	1.80		-64.42
5,711.00	5,711.00	5,618.00	1.000	164.80	5,141.40	1,498.21	-936.79	1,766.96	0.32	-0.32	2.11
5,901.00 2.000 184.10 5,424.25 1,489.50 934.62 1,758.34 0,62 0.21 1 1 5,996.00 1.800 172.10 5,519.20 1,486.37 934.33 1,755.64 0,47 0.21 -1: 6,091.00 2.400 193.60 5,614.13 1,482.96 934.60 1,752.90 1.03 0,63 2 6,186.00 1.100 102.30 5,709.10 1,480.83 934.17 1,750.87 2.80 -1.37 99	5,901.00 2.000 184.10 5,424.25 1,489.50 -934.42 1,758.34 0,62 -0.21 1,5996.00 1,800 172.10 5,519.20 1,486.37 -934.33 1,755.64 0,47 -0.21 1,5996.00 1,800 172.10 5,519.20 1,486.37 -934.33 1,755.64 0,47 -0.21 1,5096.00 1,500	5,711.00	1.900	149.90	5,234.37	1,496.10	-935.80	1,764.65	1.04		-16.02
5,991.00 2.000 184.10 5,424.25 1,489.50 -934.42 1,758.34 0.62 -0.21 1 5,996.00 1.800 172.10 5,519.20 1,486.37 -934.33 1,755.64 0.47 -0.21 -1 6,091.00 2.400 193.60 5,614.13 1,482.96 -934.60 1,752.90 1.03 0.63 2 6,186.00 1.100 102.30 5,709.10 1,480.83 -934.17 1,750.87 2.80 -1.37 -9 6,280.00 1.900 133.80 5,803.07 1,479.56 -932.17 1,748.73 1.19 0.85 3 6,374.00 2.000 147.10 5,897.02 1,477.11 -930.15 1,745.57 0.49 0.11 1 6,469.00 2.000 149.30 5,991.96 1,477.191 -926.63 1,799.30 0.61 -0.42 -1 6,659.00 1.900 153.20 6,181.87 1,469.56 -925.00 1,736.44 0.64 0.32	5,901.00 2.000 184.10 5,424.25 1,489.50 -934.42 1,758.34 0.62 -0.21 15,996.00 1.800 172.10 5,519.20 1,486.37 -934.33 1,755.64 0.47 -0.21 -1 -1 -0.091.00 1,752.90 1.03 0.63 2 -1 </td <td>5,806.00</td> <td></td> <td>168.80</td> <td>5,329.31</td> <td>1,492.95</td> <td>-934.66</td> <td>1,761.37</td> <td>0.77</td> <td>0.32</td> <td>19.89</td>	5,806.00		168.80	5,329.31	1,492.95	-934.66	1,761.37	0.77	0.32	19.89
5,996.00	5,996.00	5,901.00	2.000	184.10	5,424.25	1,489.50	-934.42	1,758.34	0.62	-0.21	16.11
6,091.00	6,091.00		1.800	172.10	5,519.20	1,486.37	-934.33	1,755.64			-12.63
6,186.00	6,186.00	6,091.00	2.400	. 193.60	5,614.13	1,482.96	-934.60	1,752.90	1.03		22.63
6,374.00 2.000 147.10 5,897.02 1,477.11 -930.15 1,745.57 0.49 0.11 1.6,469.00 2.000 149.30 5,991.96 1,474.29 -928.41 1,742.26 0.08 0.00 1.6,564.00 1.600 135.70 6,086.91 1,471.91 -926.63 1,739.30 0.61 -0.42 -1.6,659.00 1.900 153.20 6,181.87 1,469.56 -925.00 1,736.44 0.64 0.32 1.6,753.00 2.100 167.20 6,370.75 1,463.14 -922.98 1,729.93 0.11 0.00 1.6,848.00 2.100 167.20 6,370.75 1,463.14 -922.98 1,729.93 0.11 0.00 1.6,848.00 2.100 167.20 6,370.75 1,463.14 -922.98 1,729.93 0.11 0.00 1.6,943.00 1.100 171.80 6,465.71 1,460.54 -922.46 1,727.45 1.06 -1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	6,374.00 2.000 147.10 5,897.02 1,477.11 -930.15 1,745.57 0.49 0.11 6,469.00 2.000 149.30 5,991.96 1,474.29 -928.41 1,742.26 0.08 0.00 6,564.00 1,600 135.70 6,086.91 1,471.91 -926.63 1,739.30 0.61 -0.42 -1.6,659.00 1,900 153.20 6,181.87 1,469.56 -925.00 1,736.44 0.64 0.32 1 6,753.00 2.100 167.20 6,370.75 1,463.14 -922.98 1,729.93 0.11 0.00 6,943.00 1,100 171.80 6,465.71 1,460.54 -922.46 1,727.45 1.06 -1.05 7,035.00 2.200 192.90 6,557.67 1,457.94 -922.73 1,725.40 1.35 1.20 2,7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 2,7320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1.7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1,750.90 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1.7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 7,794.00 2.500 270.00 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1.00 0.21 0.21 0.21 0.21 0.21 0.21 0.21	6,186.00	1.100	102.30	5,709.10	1,480.83	-934.17	1,750.87			-96.11
6,374.00	6,374.00	•	1.900	133.80	5,803.07	1,479.56	-932.17	1,748.73	1.19	0.85	33.51
6,469.00	6,469.00	•	2.000	147.10	5,897.02	1,477.11	-930.15	1,745.57	0.49	0.11	14.15
6,564.00	6,659.00 1.900 153.20 6,181.87 1,469.56 -925.00 1,736.44 0.64 0.32 1 6,753.00 2.100 164.40 6,275.81 1,466.51 -923.83 1,733.24 0.47 0.21 1 6,848.00 2.100 167.20 6,370.75 1,463.14 -922.98 1,729.93 0.11 0.00 1 6,943.00 1.100 171.80 6,465.71 1,460.54 -922.46 1,727.45 1.06 -1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05		2.000	149.30	5,991.96	1,474.29	-928.41	1,742.26	0.08	0.00	2.32
6,659.00	6,659.00		1.600	135.70	6,086.91	1,471.91	-926.63	1,739.30	0.61	-0.42	-14.32
6,848.00 2.100 167.20 6,370.75 1,463.14 -922.98 1,729.93 0.11 0.00 1 6,943.00 1.100 171.80 6,465.71 1,460.54 -922.46 1,727.45 1.06 -1.05 7,035.00 2.200 192.90 6,557.67 1,457.94 -922.73 1,725.40 1.35 1.20 22 7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 1 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 21 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -11 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 11 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -11 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 1,7699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -17 7,94.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1,7889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -11	6,848.00 2.100 167.20 6,370.75 1,463.14 -922.98 1,729.93 0.11 0.00 6,943.00 1.100 171.80 6,465.71 1,460.54 -922.46 1,727.45 1.06 -1.05 7,035.00 2.200 192.90 6,557.67 1,457.94 -922.73 1,725.40 1.35 1.20 2 7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 2 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1	6,659.00	1.900	153.20	6,181.87	1,469.56	-925.00	1,736.44	0.64	0.32	18.42
6,943.00 1.100 171.80 6,465.71 1,460.54 -922.46 1,727.45 1.06 -1.05 7,035.00 2.200 192.90 6,557.67 1,457.94 -922.73 1,725.40 1.35 1.20 22 7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 20 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -17 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 11 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -10 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 1,7699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -10 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1,7699.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,809.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 2.7	6,943.00	•			6,275.81	1,466.51	-923.83	1,733.24	0.47	0.21	11.91
7,035.00 2.200 192.90 6,557.67 1,457.94 -922.73 1,725.40 1.35 1.20 22 7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 2 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 21 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -12 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 11 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -14 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 11 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -14 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 11 7,889.00 2.700 188.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -14	7,035.00 2.200 192.90 6,557.67 1,457.94 -922.73 1,725.40 1.35 1.20 2 7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 2 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1,788.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1		2.100	167.20	6,370.75	1,463.14	-922.98	1,729.93	0.11	0.00	2.95
7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 21 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -17 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 11 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -14 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -17 7,94.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1,7 889.00 2.700 188.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -18	7,130.00 2.500 195.40 6,652.59 1,454.17 -923.69 1,722.72 0.33 0.32 7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 2 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1	•		171.80	6,465.71	1,460.54	-922.46	1,727.45	1.06	-1.05	4.84
7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 20 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 11 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -10 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 -10 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -1 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 <td>7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 2 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 - 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2,700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1</td> <td></td> <td></td> <td>192.90</td> <td>6,557.67</td> <td>1,457.94</td> <td>-922.73</td> <td>1,725.40</td> <td>1.35</td> <td>1.20</td> <td>22.93</td>	7,224.00 2.100 215.00 6,746.52 1,450.78 -925.22 1,720.67 0.93 -0.43 2 7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 - 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2,700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1			192.90	6,557.67	1,457.94	-922.73	1,725.40	1.35	1.20	22.93
7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -17 -17 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 11 12 1	7,320.00 2.300 197.90 6,842.45 1,447.50 -926.82 1,718.76 0.71 0.21 -1 7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 - 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1	7,130.00	2.500	195.40	6,652.59	1,454.17	-923.69	1,722.72	0.33	0.32	2.63
7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 197.509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -147.509.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 197.509.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 197.509.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 197.509.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -147.509.00 2.500 207.20 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -147.509.00 2.500 207.20 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -147.509.00 2.500 207.20 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -147.509.00 2.500 207.20 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -147.509.00 2.500 207.20 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -147.509.00 2.500 207.20 207	7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -1 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1				•	1,450.78	-925.22	1,720.67	0.93	-0.43	20.85
7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 19 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -10 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 19 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -10 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 19 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 207.20 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 207.20 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 207.20 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 2.500 207.20 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 20 7,000 20 7,000 20 7,000 20 7,000 20 7,000 20 7,000 20 7,000 20 7,000 20 7,000 20 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -10 7,000 20 7,00	7,414.00 2.500 216.50 6,936.36 1,444.06 -928.62 1,716.81 0.85 0.21 1 7,509.00 1.800 200.90 7,031.30 1,441.00 -930.38 1,715.16 0.95 -0.74 -1 7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2,700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1				6,842.45	1,447.50	-926.82	1,718.76	0.71	0.21	-17.81
7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 : 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -1,710.40 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1,710.35 0.58 0.21 -1,710.35 0.58 0.21 -1,710.35 0.58 0.21 -1,710.35 0.58 0.21 -1,710.35 0.58 0.42 1,710.35 0.42 1,710.35 0.42 1,710.35 0.42 1,710.35 0.42 1,710.35 0.42 1,710.35 0.42 1,71	7,604.00 2.500 203.90 7,126.23 1,437.71 -931.76 1,713.11 0.75 0.74 7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1				6,936.36	1,444.06	-928.62	1,716.81	0.85	0.21	19.79
7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 -1 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1.7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -18	7,699.00 2.900 195.90 7,221.12 1,433.51 -933.25 1,710.35 0.58 0.42 7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1				•	•	-930.38	1,715.16	0.95	-0.74	-16.42
7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1.7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -18	7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1	7,604.00	2.500	203.90	7,126.23	1,437.71	-931.76	1,713.11	0.75	0.74	3.16
7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -18	7,794.00 2.500 207.20 7,316.02 1,429.35 -934.86 1,707.70 0.70 -0.42 1 7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1			195.90	7,221.12	1,433.51	-933.25	1,710.35	0.58	0.42	-8.42
7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -18	7,889.00 2.700 189.60 7,410.92 1,425.31 -936.18 1,704.98 0.86 0.21 -1	•		207.20	7,316.02	1,429.35	-934.86	1,707.70	0.70	-0.42	11.89
7.000.00	7 000 00 0 000 405 00 - 104 00 00 00 00 00 00 00 00 00 00 00 00 0			189.60	7,410.92	1,425.31	-936.18	1,704.98	0.86	0.21	-18.53
7,900.00 2.500 195.20 7,481.85 1,422.16 -936.86 1,702.68 0.46 -0.28 5				195.20	7,481.85	1,422.16	-936.86	1,702.68	0.46	-0.28	7.89

Measur		Vertical	Local Coo	rdinates	
Depti (ft)	h	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
90	00.00	899.99	-0.31	-0.66	End of Gyro Survey
4,57	4.00	4,116.78	1,373.36	-848.81	As of Aug. 18
5,90	1.00	5,424.25	1,489.50	-934.42	As of Aug 19
8,01	0.00	7,531.80	1,420.06	-937.44	Projected TD

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROU'	TING
C	DW

	X - Change of Operator (Well Sold)			Operator Na	me Chan	ge/Merger		-			
7	The operator of the well(s) listed below has chan	ged, effe	ctive:			1/1/2014					
FF	ROM: (Old Operator):			TO: (New O	perator):						
	165-Bill Barrett Corporation			N4040-EnerVe		g. LLC					
1	99 18th Street, Suite 230			1001 Fannin Street, Suite 800							
	nver, CO 80202			Houston, TX 7		,,,,					
				, , ,	. 002						
Pho	one: 1 (303) 312-8134			Phone: 1 (713)	659-3500						
	CA No.			Unit:	Prickly Pe	ar					
WE	ELL NAME	SEC TV	WN RNG	API NO	ENTITY	LEASE TYPE	WELL	WELL			
					NO		TYPE	STATUS			
See	Attached List				L	<u> </u>		1			
	PERATOR CHANGES DOCUMENT ter date after each listed item is completed (R649-8-10) Sundry or legal documentation was (R649-8-10) Sundry or legal documentation was	s receive	d from the	-		1/7/2014 1/7/2014					
3.	The new company was checked on the Departr			•			•	1/28/2014			
4a.	Is the new operator registered in the State of U			Business Numb		8850806-0161					
5a.	(R649-9-2)Waste Management Plan has been re		n:	Not Yet			•				
5b.	Inspections of LA PA state/fee well sites compl		Yes	-							
	Reports current for Production/Disposition & S	n:	1/24/2014	•							
6.	Federal and Indian Lease Wells: The BL	M and or	the BIA l	nas approved the	merger, na	me change,					
	or operator change for all wells listed on Federa			BLM		BIA	N/A				
7.	Federal and Indian Units:										
	The BLM or BIA has approved the successor	of unit o	perator for	r wells listed on:		Not Yet					
8.	Federal and Indian Communization Ag		-				•				
	The BLM or BIA has approved the operator f		•	•		N/A					
9.	Underground Injection Control ("UIC"				orm 5 Tran		ity to				
	Inject, for the enhanced/secondary recovery un	•		•			Yes				
DA	ATA ENTRY:	ia project	101 0110 ***	ator disposar wer	11(5) 115000		105	-			
1.	Changes entered in the Oil and Gas Database	on:		1/28/2014							
2.	Changes have been entered on the Monthly Op		Change Sp		•	1/28/2014					
3.	Bond information entered in RBDMS on:			1/28/2014							
4.	Fee/State wells attached to bond in RBDMS on			1/28/2014	•						
5.	Injection Projects to new operator in RBDMS of			1/28/2014							
6.	Receipt of Acceptance of Drilling Procedures for					1/7/2014					
	Surface Agreement Sundry from NEW operator	on Fee S	Surface we	lls received on:		1/7/2014					
BC	OND VERIFICATION:										
1.	Federal well(s) covered by Bond Number:			RLB7886							
2.	Indian well(s) covered by Bond Number:	***		RLB7886		50000-1					
3a.	(R649-3-1) The NEW operator of any state/fed			-		B008371					
3b.	The FORMER operator has requested a release	of liabil	ity from th	neir bond on:	N/A						
LF	CASE INTEREST OWNER NOTIFIC	ATION	V:								
	(R649-2-10) The NEW operator of the fee wells			and informed b	v a letter fro	om the Division					
	of their responsibility to notify all interest owner				1/28/2014	277151011					
	MMENTS:							<u> </u>			

W7-11 N7		THAT		Prickly Pear C		3.6' 1.7	G C T	XX 11 (F)	Txx 11 C
Well Name				API Number	Entity	Mineral Lease	 	Well Type	Well Status
PPU FED 11-23D-12-15	+	120S	150E	4300731440		Federal	Federal	GW	APD
PPU FED 4-26D-12-15		120S	150E	4300731441		Federal	Federal	GW	APD
PPU FED 14-23D-12-15	+	120S	150E	4300731442		Federal	Federal	GW	APD
PPU FED 12-23D-12-15	+	120S	150E	4300731443		Federal	Federal	GW	APD
PRICKLY PEAR U FED 12-7D-12-15	+ - +	120S	150E	4300750094		Federal	Federal	GW	APD
PRICKLY PEAR U FED 11-7D-12-15		120S	150E	4300750095		Federal	Federal	GW	APD
PRICKLY PEAR U FED 13-7D-12-15	i	120S	150E	4300750096		Federal	Federal	GW	APD
PRICKLY PEAR U FED 14-7D-12-15		120S	150E	4300750097		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-8D-12-15		120S	150E	4300750124		Federal	Federal	GW	APD
PRICKLY PEAR UF 12-8D-12-15	·	120S	150E	4300750125		Federal	Federal	GW	APD
PRICKLY PEAR UF 13-8D-12-15	·	120S	150E	4300750126		Federal	Federal	GW	APD
PRICKLY PEAR UF 14-8D-12-15	-	120S	150E	4300750127		Federal	Federal	GW	APD
PRICKLY PEAR UF 9-21D-12-15		120S	150E	4300750128		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-21D-12-15		120S	150E	4300750129		Federal	Federal	GW	APD
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	Federal	GW	APD
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	Federal	GW	APD
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	Federal	GW	APD
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	Federal	GW	APD
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-22D-12-15			150E	4300750165		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-22D-12-15	-		150E	4300750166	•	Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-22D-12-15		120S	150E	4300750167		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-22D-12-15			150E	4300750168		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-22D-12-15			150E	4300750169		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-22D-12-15			150E	4300750170		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-15D-12-15			150E	4300750180		Federal	Federal	GW	APD
PRICKLY PEAR UF 11B-15D-12-15			150E	4300750181		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-15D-12-15			150E	4300750184		Federal	Federal	GW	APD
PRICKLY PEAR UF 3A-18D-12-15	·			4300750185		Federal	Federal	GW	APD
PRICKLY PEAR UF 4A-18D-12-15				4300750186		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-7D-12-15			150E			Federal	Federal	GW	APD
PRICKLY PEAR UF 2-18D-12-15	-		150E	4300750188		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-7D-12-15			150E	4300750189		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-7D-12-15			150E	4300750190		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-7D-12-15	-		150E	4300750191	and the same of th	Federal	Federal	GW	APD
PRICKLY PEAR FEDERAL 1-12D-12-14			140E	4300750205		Federal	Federal	GW	APD
PRICKLY PEAR UF 2-12D-12-14			140E	4300750206		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-12D-12-14			140E	4300750207		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-12D-12-14	-		140E	4300750207		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-12D-12-14								<u> </u>	
PRICKLY PEAR UF 8-12D-12-14 PRICKLY PEAR UF 4-7D-12-15			140E	4300750209		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-7D-12-15 PRICKLY PEAR UF 5-7D-12-15			140E	4300750210		Federal	Federal	GW	APD
			140E	4300750211		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-12D-12-14			140E	4300750212		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-7D-12-15			140E	4300750213		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-14D-12-15			150E	4300750214		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-14D-12-15	_		150E	4300750215			Federal	GW	APD
PRICKLY PEAR UF 9-14D-12-15			150E	4300750217			Federal	GW	APD
PRICKLY PEAR UF 9A-14D-12-15			150E	4300750218			Federal	GW	APD
PRICKLY PEAR UF 10-14D-12-15			150E	4300750219			Federal	GW	APD
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220		Federal	Federal	GW	APD

Well Name	Coo TWN		API Number		Min and Lagar	Comfort I	W-11 T	337-11 C4-4
PRICKLY PEAR UF 15A-14D-12-15	14 120S	150E	4300750222	Entity	Mineral Lease Federal		Well Type GW	Well Status
PRICKLY PEAR UF 16-14D-12-15	14 120S	150E	4300750222		Federal	Federal	GW	APD APD
PRICKLY PEAR UF 16A-14D-12-15	14 120S	150E	4300750224		Federal	Federal	GW	+
PRICKLY PEAR UF 1A-18D-12-15	7 120S	150E	4300750225		Federal	Federal	GW	APD
PRICKLY PEAR UF 2A-18D-12-15	7 120S	150E	4300750226		Federal	Federal		APD
PRICKLY PEAR UF 9A-7D-12-15	7 120S	150E	4300730220			Federal	GW	APD
PRICKLY PEAR UF 10A-7D-12-15	7 120S	150E			Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-7D-12-15	7 120S		4300750228		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-7D-12-15	 	150E	4300750229		Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-12D-12-14	7 120S	150E	4300750230		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-12D-12-14	12 120S	140E	4300750233		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-12D-12-14	12 1208	140E	4300750234		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-12D-12-14 PRICKLY PEAR UF 12A-8D-12-15	12 120S	140E	4300750235		Federal	Federal	GW	APD
	8 120S	150E	4300750236		Federal	Federal	GW	APD
PRICKLY PEAR UF 16A-12D-12-14	12 120S	140E	4300750237		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-8D-12-15	8 120S	150E	4300750238		Federal	Federal	GW	APD
PRICKLY PEAR UF 13A-8D-12-15	8 120S	150E	4300750239		Federal	Federal	GW	APD
PRICKLY PEAR UF 14A-8D-12-15	8 120S	150E	4300750240		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-8D-12-15	8 120S	150E	4300750260		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-8D-12-15	8 120S	150E	4300750261		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-8D-12-15	8 120S	150E	4300750262		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-8D-12-15	8 120S	150E			Federal	Federal	GW	APD
PRICKLY PEAR UF 2-8D-12-15	8 120S	150E	4300750264		Federal	Federal	GW	APD
PRICKLY PEAR UF 7A-8D-12-15	·	150E	4300750265		Federal	Federal	GW	APD
PRICKLY PEAR UF 7-8D-12-15		150E	4300750266		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-8D-12-15	 	150E	4300750267		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-8D-12-15		150E	4300750268		Federal	Federal	GW	APD
PRICKLY PEAR UF 10A-8D-12-15	 	150E	4300750269	-	Federal	Federal	GW	APD
PRICKLY PEAR UF 9A-8D-12-15		150E	4300750270		Federal	Federal	GW	APD
PRICKLY PEAR UF 8-8D-12-15		150E	4300750271		Federal	Federal	GW	APD
PRICKLY PEAR UF 1-8D-12-15		150E	4300750272		Federal	Federal	GW	APD
PRICKLY PEAR UF 8A-8D-12-15		150E	4300750273		Federal	Federal	GW	APD
PRICKLY PEAR UF 5-9D-12-15		150E	4300750274		Federal	Federal	GW	APD
PRICKLY PEAR UF 5A-9D-12-15		150E	4300750275		Federal	Federal	GW	APD
PRICKLY PEAR UF 4-9D-12-15		150E	4300750276		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-9D-12-15			4300750277		Federal	Federal		APD
PRICKLY PEAR UF 6A-9D-12-15			4300750278		Federal	Federal	GW	APD
PRICKLY PEAR UF 11-9D-12-15		150E	4300750279		Federal	Federal	GW	APD
PRICKLY PEAR UF 12A-9D-12-15		150E	4300750280		Federal	Federal	GW	APD
PRICKLY PEAR UF 6-9D-12-15		150E	4300750281		Federal	Federal	GW	APD
PRICKLY PEAR UF 11A-9D-12-15		150E	4300750282		Federal	Federal	GW	APD
PRICKLY PEAR US 1X-16D-12-15		150E	4300750283		State	Federal	GW	APD
PRICKLY PEAR UF 5A-15D-12-15		150E	4300750284		Federal	Federal	GW	APD
PRICKLY PEAR UF 6A-15D-12-15		150E	4300750285		Federal	Federal	GW	APD
PRICKLY PEAR UF 3-15D-13-15		150E	4300750286		Federal	Federal	GW	APD
PRICKLY PEAR UF 15A-10D-12-15		150E	4300750287		Federal		GW	APD
PRICKLY PEAR UF 13-10D-12-15		150E	4300750288		Federal		GW	APD
PRICKLY PEAR UF 15-10D-12-15		150E	4300750289		Federal		GW	APD
PRICKLY PEAR UF 16A-10D-12-15	<u> </u>	150E	4300750290		Federal		GW	APD
PRICKLY PEAR UF 9-10D-12-15		150E	4300750291		Federal		GW	APD
PRICKLY PEAR UF 14A-10D-12-15		150E	4300750292				GW	APD
PRICKLY PEAR UF 10-10D-12-15		150E	4300750293		Federal		GW	APD
PRICKLY PEAR UF 16-10D-12-15	····		4300750294				GW	APD
PRICKLY PEAR UF 13-11D-12-15			4300750295					APD
PRICKLY PEAR UF 13A-11D-12-15			4300750296					APD
PRICKLY PEAR UF 12-11D-12-15			4300750297			Federal	GW	APD
PRICKLY PEAR UF 13A-10D-12-15	10 120S	150E	4300750298		Federal	Federal	GW	APD

PRICKLY PEAR UF 1-10-10-12-15	Well Name	Soc TWN		ADI Number		Minoral Lagra	Cumfa a a I a a a a	W-11 T	W-11 C4-4
PRICKLY PEAR UF 14-10-12-15			+					Well Type	Well Status
PRICKLY PEAR UF 3-10-12-15 10 1208 150E 430075002 Federal Federal GW APD			-						
PRICKLY PEAR UF 4-150-12-15 10 1208 150E 4300750302 Federal Federal GW APD								 	
PRICKLY PEAR UF 4-15D-12-15 10 120S 150E 4300750302 Federal Federal GW APD									
PRICKLY PEAR UF 4-10D-12-15 10 1208 150E 4300750304 Federal Federal GW APD									
PRICKLY PEAR LIF 9A-17D-12-15 17 1208 150E 4300750307 Federal Federal GW APD									
PRICKLY PEAR UF 9.A-170-12-15 17 120S 150E 4300750306 Federal Federal GW APD									
PRICKLY PEAR UF 8.A-17D-12-15					!				
PRICKLY PEAR UF 16A-17D-12-15						+	<u> </u>	+	
PRICKLY PEAR UF 3-70-12-15					!			1	
PRICKLY PEAR UF 16.A-17D-12-15						-			
PRICKLY PEAR UF 6-7D-12-15 PRICKLY PEAR UF 8-7D-12-15 PRICKLY PEAR UF 10-17-12-15 PRICKLY PEAR UF 10-17-12-15 PRICKLY PEAR UF 11-17-12-15 PRICKLY PEAR UF 11-17-12-15 PRICKLY PEAR UF 11-17-12-15 PRICKLY PEAR UF 11-17-12-15 PRICKLY PEAR UF 10-17-12-15 PRICKLY PEAR UF 10			-					-	
PRICKLY PEAR UF 15A-17D-12-15						·	+		
PRICKLY PEAR UF A-7D-12-15			+				ļ	-	
PRICKLY PEAR UF 7A-7D-12-15 PRICKLY PEAR UF \$A-7D-12-15 PRICKLY PEAR UF \$A-7D-12-15 PRICKLY PEAR UF \$A-7D-12-15 PRICKLY PEAR UF (SX-17D-12-15 PRICKLY PEAR UF 11A-17D-12-15 PRICKLY PEAR UF 15B-17D-12-15 PRICKLY PEAR UF 10A-20D-12-15 PRICKLY PEAR UF 15A-20D-12-15 PRICKLY PEAR UF 15-20D-12-15 PRICKLY PEAR UF 15-20D-12-1									
PRICKLY PEAR UF 8A-7D-12-15									
PRICKLY PEAR UF 11A-17D-12-15									
PRICKLY PEAR UF 11A-17D-12-15			1						
PRICKLY PEAR UF 15B-17D-12-15								4	
PRICKLY PEAR UF 8A-20D-12-15 20 120S 150E 4300750319 Federal Federal GW APD		-				1			
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PRICKLY PEAR UF 7-9D-12-15 9 120S 150E 4300750344 Federal Federal GW APD PRICKLY PEAR UF 1-9D-12-15 9 120S 150E 4300750345 Federal Federal GW APD PRICKLY PEAR UF 2-9D-12-15 9 120S 150E 4300750346 Federal Federal GW APD PRICKLY PEAR UF 1-24D-12-1 24 120S 150E 4300750348 Federal Federal GW APD PRICKLY PEAR UF 9-13D-12-15 13 120S 150E 4300750349 Federal Federal GW APD PRICKLY PEAR U FED 7-21D-12-15 21 120S 150E 4300750055 14794 Federal Federal GW OPS PRICKLY PEAR US 1A-16D-12-15 9 120S 150E 4300750192 14794 State Federal GW OPS PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 9A-9D-12-15 9 120S 150E 4300750196 147									
PRICKLY PEAR UF 1-9D-12-15 9 120S 150E 4300750345 Federal Federal GW APD PRICKLY PEAR UF 2-9D-12-15 9 120S 150E 4300750346 Federal Federal GW APD PRICKLY PEAR UF 1-24D-12-1 24 120S 150E 4300750348 Federal Federal GW APD PRICKLY PEAR UF 9-13D-12-15 13 120S 150E 4300750349 Federal Federal GW APD PRICKLY PEAR UF 1-24D-12-15 21 120S 150E 4300750055 14794 Federal GW OPS PRICKLY PEAR US 1A-16D-12-15 9 120S 150E 4300750192 14794 State Federal GW OPS PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>Federal</td> <td></td> <td>GW</td> <td>APD</td>			-			Federal		GW	APD
PRICKLY PEAR UF 2-9D-12-15 9 120S 150E 4300750346 Federal Federal GW APD PRICKLY PEAR UF 1-24D-12-1 24 120S 150E 4300750348 Federal Federal GW APD PRICKLY PEAR UF 9-13D-12-15 13 120S 150E 4300750349 Federal Federal GW APD PRICKLY PEAR U FED 7-21D-12-15 21 120S 150E 4300750055 14794 Federal GW OPS PRICKLY PEAR US 1A-16D-12-15 9 120S 150E 4300750192 14794 State Federal GW OPS PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>Federal</td> <td></td> <td></td> <td>APD</td>						Federal			APD
PRICKLY PEAR UF 1-24D-12-1 24 120S 150E 4300750348 Federal Federal GW APD PRICKLY PEAR UF 9-13D-12-15 13 120S 150E 4300750349 Federal Federal GW APD PRICKLY PEAR U FED 7-21D-12-15 21 120S 150E 4300750055 14794 Federal GW OPS PRICKLY PEAR US 1A-16D-12-15 9 120S 150E 4300750192 14794 State Federal GW OPS PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
PRICKLY PEAR UF 9-13D-12-15 13 120S 150E 4300750349 Federal Federal GW APD PRICKLY PEAR U FED 7-21D-12-15 21 120S 150E 4300750055 14794 Federal GW OPS PRICKLY PEAR US 1A-16D-12-15 9 120S 150E 4300750192 14794 State Federal GW OPS PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 Federal GW OPS									APD
PRICKLY PEAR U FED 7-21D-12-15 21 120S 150E 4300750055 14794 Federal GW OPS PRICKLY PEAR US 1A-16D-12-15 9 120S 150E 4300750192 14794 State Federal GW OPS PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 Federal GW OPS									APD
PRICKLY PEAR US 1A-16D-12-15 9 120S 150E 4300750192 14794 State Federal GW OPS PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 Federal GW OPS	PRICKLY PEAR UF 9-13D-12-15								
PRICKLY PEAR US 2A-16D-12-15 9 120S 150E 4300750193 14794 State Federal GW OPS PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 Federal GW OPS	PRICKLY PEAR U FED 7-21D-12-15								
PRICKLY PEAR US 2-16D-12-15 9 120S 150E 4300750194 14794 State Federal GW OPS PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 Federal Federal GW OPS	PRICKLY PEAR US 1A-16D-12-15								
PRICKLY PEAR UF 9A-9D-12-15 9 120S 150E 4300750196 14794 Federal Federal GW OPS PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 Federal Federal GW OPS	PRICKLY PEAR US 2A-16D-12-15						Federal	GW	OPS
PRICKLY PEAR UF 10-9D-12-15 9 120S 150E 4300750197 14794 Federal Federal GW OPS	PRICKLY PEAR US 2-16D-12-15						Federal	GW	OPS
	PRICKLY PEAR UF 9A-9D-12-15		150E	4300750196	14794	Federal	Federal	GW	OPS
PRICKLY PEAR UF 10A-9D-12-15 9 120S 150E 4300750198 14794 Federal Federal GW OPS	PRICKLY PEAR UF 10-9D-12-15	9 120S	150E	4300750197	14794	Federal	Federal	GW	OPS
	PRICKLY PEAR UF 10A-9D-12-15	9 120S	150E	4300750198	14794	Federal	Federal	GW	OPS

Well Name	G TUDI		ear Unit	3.61 1.7	G C T	*** 11 m	TTT 11 0
Well Name				Mineral Lease		Well Type	Well Status
PRICKLY PEAR UF 14-9D-12-15	9 1208	·	0199 14794		Federal	GW	OPS
PRICKLY PEAR UF 14A-9D-12-15	9 1208		0200 14794		Federal	GW	OPS
PRICKLY PEAR UF 15-9D-12-15	9 1208		0201 14794		Federal	GW	OPS
PRICKLY PEAR UF 15A-9D-12-15	9 1208		0203 14794	l	Federal	GW	OPS
PRICKLY PEAR UF 16A-9D-12-15	9 1208		0204 14794		Federal	GW	OPS
STONE CABIN FED 2-B-27	27 120S		0018 14794		Federal	GW	P
PRICKLY PEAR ST 16-15	16 120S		0522 14794		State	GW	P
PRICKLY PEAR UNIT 21-2	21 120S		0828 14794	<u></u>	Federal	GW	P
PRICKLY PEAR U ST 13-16	16 120S		0933 14794		State	GW	P
PRICKLY PEAR U ST 11-16	16 120S		0944 14794	State	State	GW	P
PRICKLY PEAR U ST 7-16	16 120S	150E 430073	0945 14794	State	State	GW	P
PRICKLY PEAR U FED 7-25	25 120S	150E 430073	0954 14794	Federal	Federal	GW	P
PRICKLY PEAR U ST 36-06	36 120S	150E 430073	1018 14794	State	State	GW	P
PRICKLY PEAR U FED 13-23-12-15	23 120S	150E 430073	1073 14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 1-27D-12-15	23 120S	150E 430073	1074 14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-26D-12-15	23 120S	150E 430073	1075 14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-22D-12-15	23 120S	150E 430073	1076 14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 3-28D-12-15	21 120S	150E 430073	1121 14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 15-21-12-15	21 120S	150E 430073	1164 14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 13-21D-12-15	21 120S		1166 14794		Federal	GW	P
PRICKLY PEAR U FED 11-17D-12-15	17 120S		1184 14794	 	Federal	GW	P
PRICKLY PEAR U FED 7-22D-12-15	22 120S		1186 14794		Federal	GW	P
PRICKLY PEAR U FED 3-22-12-15	22 120S		1187 14794		Federal	GW	P
PRICKLY PEAR U FED 5-22D-12-15	22 120S		1188 14794		Federal	GW	P
PRICKLY PEAR 11-15D-12-15	22 120S		1189 14794	· · · · · · · · · · · · · · · · · · ·	Federal	GW	P
PRICKLY PEAR U FED 9-18D-12-15	18 120S		1192 14794	- 	Federal	GW	P
PRICKLY PEAR U FED 15-18-12-15	18 120S		1193 14794		Federal	GW	P
PRICKLY PEAR U FED 16-27D-12-15	27 120S		1194 15569		Federal	GW	P
PRICKLY PEAR U FED 12-27D-12-15	27 120S		1195 15568		Federal	GW	P
PRICKLY PEAR U FED 9-20D-12-15	20 120S		1193 13308		Federal	GW	P
PRICKLY PEAR U FED 7-20-12-15	20 120S		1197 14794		Federal	GW	P
PRICKLY PEAR U FED 1-20-12-15	20 120S		1206 14794		Federal		P
PRICKLY PEAR U ST 4-36-12-15	36 120S		1200 14794 1227 14794			GW	
PRICKLY PEAR U FED 4-27D-12-15	22 120S	150E 430073			State	GW	P
PRICKLY PEAR U FED 13-22-12-15					Federal	GW	P
		150E 430073			Federal	GW	P
PRICKLY PEAR U FED 3-27D-12-15		150E 430073			Federal	GW	P
PRICKLY PEAR U ST 9-16-12-15		150E 430073			State	GW	P
PRICKLY PEAR U FED 9-28D-12-15	28 120S	150E 430073			Federal	GW	P
PRICKLY PEAR U FED 5-27D-12-15			1242 14794	 	Federal	GW	P
PRICKLY PEAR U FED 1-28-12-15	28 120S		1243 14794		Federal	GW	P
PRICKLY PEAR U FED 8-28D-12-15	28 120S		1244 14794	 .	Federal	GW	P
PRICKLY PEAR U ST 1-16-12-15	16 120S		1245 14794		State	GW	P
PPU FED 11-18D-12-15			1257 14794	·	Federal	GW	P
PPU FED 11-20D-12-15			1258 14794		Federal	GW	P
PPU FED 4-25D-12-15			1259 14794	Federal	Federal	GW	P
PPU FED 12-25D-12-15			1260 16068	i	Federal	GW	P
PPU FED 14-26D-12-15	35 120S		1282 16224	Federal	Federal	GW	P
PPU FED 2-35-12-15	35 120S		283 14794	Federal	Federal	GW	P
PPU FED 10-26D-12-15	35 120S	150E 430073	284 14794	Federal	Federal	GW	P
PPU FED 9-17-12-15	17 120S	150E 430073	287 14794	Federal	Federal	GW	P
PPU FED 1-17D-12-15	17 120S	150E 430073	288 14794	Federal	Federal	GW	P
PPU FED 7-17D-12-15		150E 430073			Federal	GW	P
PPU FED 1-18D-12-15		150E 430073				GW	P
PPU FED 7-18D-12-15		150E 430073				GW	P
PPU FED 5-17D-12-15		150E 430073				GW	P
PPU FED 10-17D-12-15		150E 430073				GW	P
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		Prickly Pear U					
Well Name	Sec TWN	RNG API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
PPU FED 8-17D-12-15	17 120S	150E 4300731308	14794	Federal	Federal	GW	P
PPU FED 12-17D-12-15	17 120S	150E 4300731309	14794	Federal	Federal	GW	P
PPU FED 13-17D-12-15	17 120S	150E 4300731310	14794	Federal	Federal	GW	P
PPU FED 14-17D-12-15	17 120S	150E 4300731311	14794	Federal	Federal	GW	P
PPU FED 16-18D-12-15	17 120S	150E 4300731312	14794	Federal	Federal	GW	P
PPU FED 8-18D-12-15	18 120S	150E 4300731313	14794	Federal	Federal	GW	P
PPU FED 3-18D-12-15	18 120S	150E 4300731314	14794	Federal	Federal	GW	P
PPU FED 4-18-12-15	18 120S	150E 4300731315			Federal	GW	P
PPU FED 5-18D-12-15	+	150E 4300731316			Federal	GW	P
PPU FED 6-18D-12-15		150E 4300731317			Federal	GW	P
PPU FED 16-17D-12-15	+	150E 4300731321			Federal	GW	P
PPU ST 15-16D-12-15	16 120S	150E 4300731322			State	GW	P
PPU ST 16-16D-12-15		150E 4300731323			State	GW	P
PPU ST 14-16D-12-15		150E 4300731324			State	GW	P
PPU FED 3-21D-12-15		150E 4300731328			Federal	GW	P
PPU FED 4-21D-12-15	21 120S	150E 4300731329			Federal	GW	P
PPU FED 13-15D-12-15	 	150E 4300731329			Federal	GW	P
PPU FED 14-15D-12-15	22 120S	150E 4300731359			Federal	GW	P
PPU FED 4-22D-12-15	22 120S	150E 4300731339			Federal	GW	P
PPU FED 6-22D-12-15	22 120S	150E 4300731361					P
PPU FED 2-28D-12-15	 				Federal	GW	P
PPU FED 16X-21D-12-15					Federal	GW	
The state of the s		150E 4300731363			Federal	GW	P
PPU FED 5A-27D-12-15		150E 4300731364			Federal	GW	P
PPU FED 1A-28D-12-15	28 120S	150E 4300731368			Federal	GW	P
PPU FED 14A-18D-12-15		150E 4300731393			Federal	GW	P
PPU FED 10-18D-12-15		150E 4300731394			Federal	GW	P
PPU FED 15A-18D-12-15		150E 4300731395			Federal	GW	P
PPU FED 16A-18D-12-15		150E 4300731396			Federal	GW	P
PPU FED 12-22D-12-15		150E 4300731398			Federal	GW	P
PPU FED 11-22D-12-15		150E 4300731399			Federal	GW	P
PPU FED 14-22D-12-15		150E 4300731400			Federal	GW	P
PPU FED 4A-27D-12-15		150E 4300731401			Federal	GW	P
PPU FED 11-21D-12-15		150E 4300731412			Federal	GW	P
PPU FED 6-21D-12-15		150E 4300731413			Federal	GW	P
PPU FED 12-21D-12-15	·	150E 4300731414			Federal	GW	P
PPU FED 8-20D-12-15		150E 4300731419			Federal	GW	P
PPU FED 1A-20D-12-15		150E 4300731420			Federal	GW	P
PPU FED 2-20D-12-15		150E 4300731421	14794	Federal	Federal	GW	P
PPU ST 7A-16D-12-15	16 120S	150E 4300731422	14794	State	State	GW	P
PPU ST 6-16D-12-15	16 120S	150E 4300731423	14794	State	State	GW	P
PPU ST 10A-16D-12-15	16 120S	150E 4300731424	14794	State	State	GW	P
PPU ST 3-16D-12-15	16 120S	150E 4300731425	14794	State	State	GW	P
PPU FED 5-21D-12-15	21 120S	150E 4300731451	14794	Federal	Federal	GW	P
PPU ST 8-16D-12-15	16 120S	150E 4300731455	14794	State	State	GW	P
PPU ST 12-16D-12-15	16 120S	150E 4300731456			State	GW	P
PPU ST 12A-16D-12-15		150E 4300731457			State	GW	P
PPU ST 15A-16D-12-15		150E 4300731458			State	GW	P
PPU ST 10-16D-12-15		150E 4300731459			State	GW	P
PPU ST 11A-16D-12-15		150E 4300731460			State	GW	P
PPU ST 13A-16D-12-15		150E 4300731461			State	GW	P
PPU FED 10-7D-12-15		150E 4300731470			Federal	GW	P
PPU FED 15-7D-12-15		150E 4300731471			Federal	GW	P
PPU FED 9-7D-12-15		150E 4300731471 150E 4300731472				GW	P
PPU FED 16-7D-12-15	·	150E 4300731472				GW	P
PPU ST 6A-16D-12-15		150E 4300731473 150E 4300731477					
PPU ST 4-16D-12-15	· · · · · · · · · · · · · · · · · · ·					GW	P
FFU 31 4-10D-12-13	16 120S	150E 4300731478	14/94	State	State	GW	P

PPU ST 5A-16D-12-15					Prickly Pear t					
PPU ST 3A-16D-12-15 16 120S 169 US ST 3A-16D-12-15 16 120S 160 US ST 30C 3400731481 14794 State State GW P PU ST 13A-16D-12-15 16 120S 160 US ST 3C 3A-16731481 14794 State State GW P PU ST 13A-16D-12-15 16 120S 160 US ST 3C 3A-16731481 14794 State State GW P PU ST 13A-16D-12-15 16 120S 160 US ST 3A-16D-12-15 161 US ST 3A-16	Well Name	Sec T	WN					Surface Lease	Well Type	Well Status
PPU ST 13A-16D-12-15		16 12	20S					State	GW	P
PPUS ST 16A-16D-12-15		16 12	20S	150E	4300731480	14794	State	State	GW	P
PPU ST 19A-16D-12-15		16 12	20S	150E	4300731481	14794	State	State	GW	P
PPU ST 18B-16D-12-15		16 12	20S_	150E	4300731484	14794	State	State	GW	P
PPUST 13B-16D-12-15		16 12	20S	150E	4300731485	14794	State	State	GW	P
PPURICKLY PEAR U FED 9-22D-12-15 16 20/8 150E 430073016 14794 Federal GW P		16 12	20S	150E	4300731514	14794	State	State	GW	P
PRICKLY PEAR U FED 10-22D-12-15 22 208 150E 4300750041 14794 Federal Federal GW P		16 12	20S	150E	4300731515	14794	State	State	GW	P
PRICKLY PEAR U FED 10-22D-12-15 22 208 150E 4300750042 14794 Federal Federal GW P	The state of the s	16 12	20S	150E	4300731516	14794	State	State	GW	P
PRICKLY PEAR U FED 16-2D-12-15 22 120S 150E 4300750043 14794 Federal Federal GW P		22 12	20S	150E	4300750041	14794	Federal	Federal	GW	P
PRICKLY PEAR U FED 16-15D-12-15 15 120S 150E 4300750045 14794 Federal Federal GW P	PRICKLY PEAR U FED 10-22D-12-15	22 12	20S	150E	4300750042	14794	Federal	Federal	GW	P
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	PRICKLY PEAR UF 7A-18D-12-15	17 120	OS	150E	4300750136	14794	Federal	Federal	GW	P

Well Name PRICKLY PEAR UF 8A-18D-12-15	Sec TWN	DNG			1			
DDICKLY DEAD HE GA 10D 12 15	500 1 1111	KNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
	17 120S	150E	4300750137	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9A-18D-12-15	17 120S	150E	4300750138	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 12-20D-12-15	20 120S	150E	4300750139	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 16A-8D-12-15	8 120S	150E	4300750140	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 15A-8D-12-15	8 120S	150E	4300750141	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 13A-9D-12-15	8 120S	150E	4300750142	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 13-9D-12-15	8 120S	150E	4300750143	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 12-9D-12-15	8 120S	150E	4300750144	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 10-8D-12-15	8 120S	150E	4300750145	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9-8D-12-15	8 120S	150E	4300750146	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 2A-17D-12-15	8 120S	150E	4300750147	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 1A-22D-12-15	22 120S	150E	4300750171	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 2A-22D-12-15	22 120S	150E	4300750172	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 6A-22D-12-15	22 120S	150E	4300750173	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 7A-22D-12-15	22 120S	150E	4300750174	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 8A-22D-12-15	22 120S	150E	4300750175	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 14B-15D-12-15	22 120S	150E	4300750176	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 9-9D-12-15	9 120S	150E	4300750195	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 16-9D-12-15	9 120S	150E	4300750202	14794	Federal	Federal	GW	P
PRICKLY PEAR UF 8-14D-12-15	14 120S	150E	4300750216	18289	Federal	Federal	GW	P
PRICKLY PEAR UF 15-14D-12-15	14 120S	150E	4300750221	18290	Federal	Federal	GW	P
PRICKLY PEAR U ST 5-16	16 120S	150E	4300730943	14794	State	State	GW	S
PRICKLY PEAR U FED 7-28D-12-15	21 120S	150E	4300731165	14794	Federal	Federal	GW	S
PRICKLY PEAR U FED 15-17-12-15	17 120S	150E	4300731183	14794	Federal	Federal	GW	S
PRICKLY PEAR U FED 10-27-12-15	27 120S	150E	4300731196	15570	Federal	Federal	GW	S
PPU FED 4-35D-12-15	35 120S	150E	4300731285	16223	Federal	Federal	GW	S
PRICKLY PEAR U FED 12A-17D-12-15	17 120S	150E	4300750087	14794	Federal	Federal	GW	S

STATE OF UTAHDEPARTMENT OF NATURAL RESOURCES

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DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL OIL WELL GAS WELL OTHER	8, WELL NAME and NUMBER:
2. NAME OF OPERATOR:	(see attached well list) 9. API NUMBER:
ENERVEST OPERATING, LLC	
3. ADDRESS OF OPERATOR: 1001 FANNIN, ST. STE 800 CITY HOUSTON STATE TX ZIP 77002 PHONE NUMBER: (713) 659-3500	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: (see attached well list)	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	F
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON
	TUBING REPAIR
1/1/2014 CHANGE TO PREVIOUS PLANS OPERATOR CHANGE CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
Dete of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
Rom 201/28 SIGNATURE	T THE WELLS LISTED ON THE ARRETT CORPORATION DODRESS BELOW. TING, LLC NAME (PLEASE PRINT) SIGNATURE
Senior Vice President - EH&S, Government and Regulatory Affairs DIRECTOR - REGUL	LATORY N4040
NAME (PLEASE PRINT) RONNIE YOUNG TITLE DIRECTOR - RI	EGULATORY
SIGNATURE Parmes L Daving DATE 12/10/2013	
ADDOM	
(This space for State use on APPROVED	RECEIVED
JAN 2 8 2013 4 RV	JAN 07 2014

DU OIL GAS & MINING OF O

Well Name	Sec	TWN	RNG	API Number	Entity Lease	Well T	ype Well Status	Unit
JACK CANYON UNIT 8-32	32	120S	'	4300730460	15167 State	WI	A	
JACK CYN U ST 14-32	32	120S	160E	4300730913	15166 State	WD	A	
PRICKLY PEAR U FED 12-24	24	120S	140E	4300730953	14467 Federal	WD	A	
PPU FED 11-23D-12-15	23	120S	150E	4300731440	Federal	GW	APD	PRICKLY PEAR
PPU FED 4-26D-12-15	23	120S	150E	4300731441	Federal	GW	APD	PRICKLY PEAR
PPU FED 14-23D-12-15	23	120S		4300731442	Federal	GW	APD	PRICKLY PEAR
PPU FED 12-23D-12-15	23	120S	150E	4300731443	Federal	GW	APD	PRICKLY PEAR
PPU FED 11-34D-12-16	34	120S	160E	4300731465	Federal	GW	APD	PETERS POINT
PPU FED 10-34D-12-16	34	120S	160E	4300731469	Federal	GW	APD	PETERS POINT
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092	Federal	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S		4300750093	Federal	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E	4300750094	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 11-7D-12-15	07	120S		4300750095	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 13-7D-12-15	07	120S		4300750096	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E	4300750097	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E	4300750124	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E	4300750125	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-8D-12-15	08	120S		4300750126	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-8D-12-15	08	120S		4300750127	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-21D-12-15	21	120S		4300750128	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-21D-12-15	21	120S		4300750129	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-21D-12-15	21	120S		4300750130	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-21D-12-15	21	120S		4300750131	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15X-21D-12-15	21	120S		4300750133	Federal .	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-21D-12-15	21	120S		4300750134	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-21D-12-15	21	120S		4300750135	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170	Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 15X-36D-12-16	36	120S	160E	4300750178	Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181	Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 10-1D-13-16	36	120S	160E	4300750182	Federal	GW	APD	PETERS POINT
PETERS POINT UF 9-1D-13-16	36	120S	160E	4300750183	Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E	4300750185	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E	4300750186	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E	4300750187	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E	4300750188	Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 12A-7D-12-15	07	120S	150E 4300750189	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-7D-12-15	07	120S	150E 4300750190	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-7D-12-15	07	120S	150E 4300750191	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E 4300750205	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E 4300750206	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E 4300750207	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E 4300750208	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E 4300750209	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E 4300750210	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E 4300750211	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E 4300750212	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E 4300750213	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E 4300750214	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E 4300750215	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E 4300750217	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E 4300750218	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E 4300750219	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E 4300750220	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E 4300750222	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E 4300750223	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E 4300750224	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-18D-12-15	07	120S	150E 4300750225	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-18D-12-15	07	120S	150E 4300750226	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-7D-12-15	07	120S	150E 4300750227	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-7D-12-15	07	120S	150E 4300750228	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-7D-12-15	07	120S	150E 4300750229	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-7D-12-15	07	120S	150E 4300750230	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E 4300750233	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E 4300750234	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E 4300750235	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-8D-12-15	08	120S	150E 4300750236	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E 4300750237	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-8D-12-15	08	120S	150E 4300750238	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-8D-12-15	08	120S	150E 4300750239	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-8D-12-15	08	120S	150E 4300750240	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-8D-12-15	08	120S	150E 4300750260	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-8D-12-15	08	120S	150E 4300750261	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-8D-12-15	08	120S	150E 4300750262	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-8D-12-15	08	120S	150E 4300750263	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-8D-12-15	08	120S	150E 4300750264	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-8D-12-15	08	120S	150E 4300750265	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-8D-12-15	08	120S	150E 4300750266	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-8D-12-15	08	120S	150E 4300750267	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-8D-12-15	08	120S	150E 4300750268	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-8D-12-15	08	120S	150E 4300750269	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-8D-12-15	08	120S	150E 4300750270	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-8D-12-15	08	120S	150E 4300750271	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-8D-12-15	08	120S	150E 4300750272	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-8D-12-15	08	120S	150E 4300750273	Federal	GW	APD	PRICKLY PEAR

PRICKLY PEAR UF 5-9D-12-15	09	120S	150E 4300750274	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-9D-12-15	09	120S	150E 4300750275	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-9D-12-15	09	120S	150E 4300750276	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-9D-12-15	09	120S	150E 4300750277	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-9D-12-15	09	120S	150E 4300750278	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-9D-12-15	09	120S	150E 4300750279	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-9D-12-15	09	120S	150E 4300750280	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-9D-12-15	09	120S	150E 4300750281	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-9D-12-15	09	120S	150E 4300750282	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E 4300750283	State	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E 4300750284	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E 4300750285	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E 4300750286	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E 4300750287	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E 4300750288	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E 4300750289	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E 4300750290	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E 4300750291	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E 4300750292	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E 4300750293	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E 4300750294	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E 4300750295	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E 4300750296	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E 4300750297	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E 4300750298	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E 4300750299	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E 4300750300	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E 4300750301	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E 4300750302	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E 4300750303	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E 4300750304	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E 4300750305	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E 4300750306	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E 4300750307	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E 4300750308	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-7D-12-15	07	120S	150E 4300750309	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E 4300750310	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-7D-12-15	07	120S	150E 4300750311	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E 4300750312	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-7D-12-15	07	120S	150E 4300750313	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-7D-12-15	07	120S	150E 4300750314	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-7D-12-15	07	120S	150E 4300750315	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E 4300750316	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E 4300750317	Federal	GW	APD	PRICKLÝ PEAR
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E 4300750318	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E 4300750319	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-7D-12-15	07	120S	150E 4300750320	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E 4300750321	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-20D-12-15	20	120S		Federal	GW	APD	PRICKLY PEAR
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PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E 4300750323	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E 4300750324	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-7D-12-15	07	120S	150E 4300750325	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E 4300750326	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E 4300750327	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E 4300750328	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-7D-12-15	07	120S	150E 4300750329	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E 4300750330	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-7D-12-15	07	120S	150E 4300750331	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-10D-12-15	09	120S	150E 4300750332	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-10D-12-15	09	120S	150E 4300750333	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-10D-12-15	09	120S	150E 4300750334	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-10D-12-15	09	120S	150E 4300750335	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	120S	150E 4300750336	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-10D-12-15	09	120S	150E 4300750338	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-10D-12-15	09	120S	150E 4300750339	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-10D-12-15	09	120S	150E 4300750340	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-9D-12-15	09	120S	150E 4300750341	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-9D-12-15	09	120S	150E 4300750342	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-9D-12-15	09	120S	150E 4300750343	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-9D-12-15	09	120S	150E 4300750344	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-9D-12-15	09	120S	150E 4300750345	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-9D-12-15	09	120S	150E 4300750346	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E 4300750348	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E 4300750349	Federal	GW	APD	PRICKLY PEAR
HORSE BENCH FED 4-20D-12-17	19	120S	170E 4300750350	Federal	GW	APD	
Horse Bench Federal 16-18D-12-17	19	120S	170E 4300750351	Federal	GW	APD	
PPU FED 9-34D-12-16	34	120S	160E 4300731430	17225 Federal	GW	OPS	PETERS POINT
PPU FED 15-35D-12-16	35	120S	160E 4300731475	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 12A-6D-13-17	31	120S	170E 4300750034	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 11A-31D-12-17	31	120S	170E 4300750036	2470 Federal	GW	OPS	PETERS POINT
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E 4300750055	14794 Federal	GW	OPS	PRICKLY PEAR
PETERS POINT U FED 9-6D-13-17	06	130S	170E 4300750120	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 14-6D-13-17	06	130S	170E 4300750121	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 15-6D-13-17	06	130S	170E 4300750121	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT UF 2-7D-13-17	06	130S	170E 4300750149	2470 Federal	GW	OPS	PETERS POINT
PETERS POINT UF 1-7D-13-17	06	130S	170E 4300750150	2470 Federal	GW	OPS	PETERS POINT
PRICKLY PEAR US 1A-16D-12-15	09	120S	150E 4300750192	14794 State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2A-16D-12-15	09	120S	150E 4300750192	14794 State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2-16D-12-15	09	120S	150E 4300750194	14794 State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 9A-9D-12-15	09	120S	150E 4300750194	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10-9D-12-15	09	120S	150E 4300750190	14794 Federal	GW	OPS	PRICKLY PEAR
	09	120S	150E 4300750197	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10A-9D-12-15					GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14-9D-12-15	09	120S	150E 4300750199	14794 Federal	GW	OPS	PRICKLY PEAR PRICKLY PEAR
PRICKLY PEAR UF 14A-9D-12-15	09	120S	150E 4300750200	14794 Federal		OPS	PRICKLY PEAR PRICKLY PEAR
PRICKLY PEAR UF 15-9D-12-15	09	120S	150E 4300750201	14794 Federal	GW		
PRICKLY PEAR UF 15A-9D-12-15	09	120S	150E 4300750203	14794 Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 16A-9D-12-15	09	120S	150E 4300750204	14794 Federal	GW	OPS	PRICKLY PEAR
SHARPLES 1 GOVT PICKRELL	11	120S	150E 4300716045	7030 Federal	GW	. P	

STONE CABIN UNIT 1	13	120S	140E 4300716542	12052 Federal	GW	P	
STONE CABIN FED 1-11	11	120S	140E 4300730014	6046 Federal	GW	P	
STONE CABIN FED 2-B-27	27	120S	150E 4300730018	14794 Federal	GW	P	PRICKLY PEAR
JACK CANYON 101-A	33	120S	160E 4300730049	2455 Federal	GW	P	
PETERS POINT ST 2-2-13-16	02	130S	160E 4300730521	14387 State	GW	P	
PRICKLY PEAR ST 16-15	16	120S	150E 4300730522	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 36-2	36	120S	160E 4300730761	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-3	36	120S	160E 4300730762	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-4	36	120S	160E 4300730763	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-25D-12-16	36	120S	160E 4300730764	2470 Federal	GW	P	PETERS POINT
HUNT RANCH 3-4	03	120S	150E 4300730775	13158 State	GW	Ρ.	
PETERS POINT U FED 4-31D-12-17	36	120S	160E 4300730810	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-26D-12-16	36	120S	160E 4300730812	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UNIT 13-4	13	120S	140E 4300730825	14353 Federal	GW	P	
PRICKLY PEAR UNIT 21-2	21	120S	150E 4300730828	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 6-7D-13-17	06	130S	170E 4300730859	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 4-2-13-16	02	130S	160E 4300730866	14386 State	GW	P	
PRICKLY PEAR U ST 13-16	16	120S	150E 4300730933	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 11-16	16	120S	150E 4300730944	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 7-16	16	120S	150E 4300730945	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-25	25	120S	150E 4300730954	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 16-35	35	120S	160E 4300730965	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-6-13-17	06	130S	170E 4300730982	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-6D-13-17	06	130S	170E 4300731004	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-31D-12-17	06	130S	170E 4300731005	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E 4300731008	14897 Federal	GW	P	·
PETERS POINT U FED 12-31D-12-17	36	120S	160E 4300731009	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 2-36D-12-16	36	120S	160E 4300731010	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 9-36-12-16	36	120S	160E 4300731011	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U ST 36-06	36	120S	150E 4300731018	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 8-35D-12-16	36	120S	160E 4300731024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 4-12D-13-16	02	130S	160E 4300731049	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 5-2D-13-16 DEEP	02	130S	160E 4300731056	15909 State	GW	P	
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E 4300731073	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E 4300731074	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E 4300731075	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E 4300731076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E 4300731121	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 2-12D-13-16	06	130S	170E 4300731158	14692 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E 4300731164	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E 4300731165	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E 4300731166	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 10-36D-12-16	36	120S	160E 4300731174	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-36D-12-16	36	120S	160E 4300731175	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E 4300731183	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E 4300731184	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E 4300731186	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E 4300731187	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E 4300731188	14794 Federal	GW	P	PRICKLY PEAR

PRICKLY PEAR 11-15D-12-15	22	120S	150E 4300731189	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E 4300731192	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E 4300731193	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E 4300731194	15569 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E 4300731195	15568 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E 4300731196	15570 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E 4300731197	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E 4300731198	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E 4300731206	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E 4300731226	15719 State	GW	P	
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E 4300731227	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E 4300731237	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E 4300731238	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E 4300731239	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E 4300731240	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E 4300731241	16028 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E 4300731242	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E 4300731243	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E 4300731244	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E 4300731245	14794 State	GW	P	PRICKLY PEAR
PPU FED 11-18D-12-15	18	120S	150E 4300731257	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 11-20D-12-15	20	120S	150E 4300731258	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-25D-12-15	25	120S	150E 4300731259	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-25D-12-15	25	120S	150E 4300731260	16068 Federal	GW	P	PRICKLY PEAR
PPU FED 15-6D-13-17	06	130S	170E 4300731261	16103 Federal	GW	P	PETERS POINT
PP UF 3-36-12-16	36	120S	160E 4300731271	2470 Federal	GW	P	PETERS POINT
PP UF 6-36-12-16	36	120S	160E 4300731272	2470 Federal	GW	P	PETERS POINT
PPU FED 6-35D-12-16	35	120S	160E 4300731275	2470 Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-16	26	120S	160E 4300731277	2470 Federal	GW	P	PETERS POINT
PPU FED 8-34-12-16	34	120S	160E 4300731279	2470 Federal	GW	P	PETERS POINT
PP ST 8-2D-13-16 (DEEP)	02	130S	160E 4300731280	16069 State	GW	P	
PPU FED 6-34D-12-16	34	120S	160E 4300731281	2470 Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-15	35	120S	150E 4300731282	16224 Federal	GW	P	PRICKLY PEAR
PPU FED 2-35-12-15	35	120S	150E 4300731283	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-26D-12-15	35	120S	150E 4300731284	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 9-17-12-15	17	120S	150E 4300731287	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1-17D-12-15	17	120S	150E 4300731288	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 7-17D-12-15	17	120S	150E 4300731289	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 7-1D-13-16 ULTRA DEEP	06	130S	170E 4300731293	14692 Federal	GW	P	PETERS POINT
PPU FED 1-18D-12-15	18	120S	150E 4300731294	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 7-18D-12-15	18	120S	150E 4300731295	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5-17D-12-15	18	120S	150E 4300731296	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-17D-12-15	17	120S	150E 4300731307	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-17D-12-15	17	120S	150E 4300731308	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-17D-12-15	17	120S	150E 4300731309	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 13-17D-12-15	17	120S	150E 4300731310	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-17D-12-15	17	120S	150E 4300731311	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-18D-12-15	17	120S	150E 4300731312	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-18D-12-15	18	120S	150E 4300731313	14794 Federal	GW	P	PRICKLY PEAR

PPU FED 3-18D-12-15	18	120S	150E 4300731314	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-18-12-15	18	120S	150E 4300731315	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5-18D-12-15	18	120S	150E 4300731316	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-18D-12-15	18	120S	150E 4300731317	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-27-12-16	27	120S	160E 4300731318	2470 Federal	GW	P	PETERS POINT
PPU FED 10-27D-12-16	27	120S	160E 4300731319	2470 Federal	GW	P	PETERS POINT
PPU FED 2-34D-12-16	34	120S	160E 4300731320	2470 Federal	GW	P	PETERS POINT
PPU FED 16-17D-12-15	17	120S	150E 4300731321	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 15-16D-12-15	16	120S	150E 4300731322	14794 State	GW	P	PRICKLY PEAR
PPU ST 16-16D-12-15	16	120S	150E 4300731323	14794 State	GW	P	PRICKLY PEAR
PPU ST 14-16D-12-15	16	120S	150E 4300731324	14794 State	GW	P	PRICKLY PEAR
PPU FED 2-7D-13-17 DEEP	06	130S	170E 4300731326	14692 Federal	GW	P	PETERS POINT
PPU FED 3-21D-12-15	21	120S	150E 4300731328	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-21D-12-15	21	120S	150E 4300731329	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-35D-12-16	35	120S	160E 4300731345	2470 Federal	GW	P	PETERS POINT
PPU FED 7-35D-12-16	35	120S	160E 4300731346	2470 Federal	GW	P	PETERS POINT
PPU FED 4-35D-12-16	35	120S	160E 4300731347	2470 Federal	GW	P	PETERS POINT
PPU FED 7-36D-12-16	36	120S	160E 4300731348	2470 Federal	GW	P	PETERS POINT
PPU FED 11-36D-12-16	36	120S	160E 4300731349	2470 Federal	GW	P	PETERS POINT
PPU FED 15-25D-12-16	36	120S	160E 4300731351	2470 Federal	GW	P	PETERS POINT
PPU FED 13-25D-12-16	36	120S	160E 4300731352	2470 Federal	GW	P	PETERS POINT
PPU FED 4-36D-12-16	36	120S	160E 4300731353	2470 Federal	GW	P	PETERS POINT
PPU FED 13-15D-12-15	22	120S	150E 4300731358	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-15D-12-15	22	120S	150E 4300731359	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-22D-12-15	22	120S	150E 4300731360	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-22D-12-15	22	120S	150E 4300731361	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-28D-12-15	28	120S	150E 4300731362	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16X-21D-12-15	28	120S	150E 4300731363	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5A-27D-12-15	28	120S	150E 4300731364	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1-35D-12-16	35	120S	160E 4300731365	2470 Federal	GW	P	PETERS POINT
PPU FED 1A-28D-12-15	28	120S	150E 4300731368	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14A-18D-12-15	18	120S	150E 4300731393	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-18D-12-15	18	120S	150E 4300731394	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15A-18D-12-15	18	120S	150E 4300731395	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16A-18D-12-15	18	120S	150E 4300731396	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-22D-12-15	22	120S	150E 4300731398	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 11-22D-12-15	22	120S	150E 4300731399	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-22D-12-15	22	120S	150E 4300731400	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4A-27D-12-15	22	120S	150E 4300731401	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 13-26D-12-16	26	120S	160E 4300731403	2470 Federal	GW	P	PETERS POINT
PPU FED 15-26D-12-16	26	120S	160E 4300731404	2470 Federal	GW	P	PETERS POINT
PPU FED 3-35D-12-16	26	120S	160E 4300731405	2470 Federal	GW	P	PETERS POINT
PPU FED 10-26D-12-16	26	120S	160E 4300731406	2470 Federal	GW	P	PETERS POINT
PPU FED 11-26D-12-16	26	120S	160E 4300731407	2470 Federal	GW	P	PETERS POINT
PPU FED 12-26D-12-16	26	120S	160E 4300731408	2470 Federal	GW	P	PETERS POINT
PPU FED 11-27D-12-16	27	120S	160E 4300731409	2470 Federal	GW	P	PETERS POINT
PPU FED 15-27D-12-16	27	120S	160E 4300731410	2470 Federal	GW	P	PETERS POINT
PPU FED 9-27D-12-16	27	120S	160E 4300731411	2470 Federal	GW	P	PETERS POINT
PPU FED 11-21D-12-15	21	120S	150E 4300731412	14794 Federal	GW	P	PRICKLY PEAR

PPU FED 6-21D-12-15	21	120S	150E 4300731413	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-21D-12-15	21	120S	150E 4300731414	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-20D-12-15	20	120S	150E 4300731419	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1A-20D-12-15	20	120S	150E 4300731420	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-20D-12-15	20	120S	150E 4300731421	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 7A-16D-12-15	16	120S	150E 4300731422	14794 State	GW	P	PRICKLY PEAR
PPU ST 6-16D-12-15	16	120S	150E 4300731423	14794 State	GW	P	PRICKLY PEAR
PPU ST 10A-16D-12-15	16	120S	150E 4300731424	14794 State	GW	P	PRICKLY PEAR
PPU ST 3-16D-12-15	16	120S	150E 4300731425	14794 State	GW	P	PRICKLY PEAR
PPU FED 1-34D-12-16	34	120S	160E 4300731427	2470 Federal	GW	P	PETERS POINT
PPU FED 7-34D-12-16	34	120S	160E 4300731428	2470 Federal	GW	P	PETERS POINT
PPU FED 5-35D-12-16	34	120S	160E 4300731429	2470 Federal	GW	P	PETERS POINT
PPU FED 5-21D-12-15	21	120S	150E 4300731451	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 8-16D-12-15	16	120S	150E 4300731455	14794 State	GW	P	PRICKLY PEAR
PPU ST 12-16D-12-15	16	120S	150E 4300731456	14794 State	GW	P	PRICKLY PEAR
PPU ST 12A-16D-12-15	16	120S	150E 4300731457	14794 State	GW	P	PRICKLY PEAR
PPU ST 15A-16D-12-15	16	120S	150E 4300731458	14794 State	GW	P	PRICKLY PEAR
PPU ST 10-16D-12-15	16	120S	150E 4300731459	14794 State	GW	P	PRICKLY PEAR
PPU ST 11A-16D-12-15	16	120S	150E 4300731460	14794 State	GW	P	PRICKLY PEAR
PPU ST 13A-16D-12-15	16	120S	150E 4300731461	14794 State	GW	P	PRICKLY PEAR
PPU FED 3-34D-12-16	34	120S	160E 4300731466	2470 Federal	GW	P	PETERS POINT
PPU FED 5-34D-12-16	34	120S	160E 4300731467	2470 Federal	GW	P	PETERS POINT
PPU FED 4-34D-12-16	34	120S	160E 4300731468	2470 Federal	GW	P	PETERS POINT
PPU FED 10-7D-12-15	07	120S	150E 4300731470	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15-7D-12-15	07	120S	150E 4300731471	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 9-7D-12-15	07	120S	150E 4300731472	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-7D-12-15	07	120S	150E 4300731473	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-35D-12-16	35	120S	160E 4300731474	2470 Federal	GW	P	PETERS POINT
PPU FED 9-35D-12-16	35	120S	160E 4300731476	2470 Federal	GW	P	PETERS POINT
PPU ST 6A-16D-12-15	16	120S	150E 4300731477	14794 State	GW	P	PRICKLY PEAR
PPU ST 4-16D-12-15	16	120S	150E 4300731478	14794 State	GW	P	PRICKLY PEAR
PPU ST 4A-16D-12-15	16	120S	150E 4300731479	14794 State	GW	P	PRICKLY PEAR
PPU ST 5A-16D-12-15	16	120S	150E 4300731480	14794 State	GW	P	PRICKLY PEAR
PPU ST 3A-16D-12-15	16	120S	150E 4300731481	14794 State	GW	P	PRICKLY PEAR
PPU ST 16A-16D-12-15	16	120S	150E 4300731484	14794 State	GW	P	PRICKLY PEAR
PPU ST 9A-16D-12-15	16	120S	150E 4300731485	14794 State	GW	P	PRICKLY PEAR
PPU ST 16B-16D-12-15	16	120S	150E 4300731514	14794 State	GW	P	PRICKLY PEAR
PPU ST 14B-16D-12-15	16	120S	150E 4300731515	14794 State	GW	P	PRICKLY PEAR
PPU ST 13B-16D-12-15	16	120S	150E 4300731516	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 9-26D-12-16	25	120S	160E 4300750021	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-25D-12-16	25	120S	160E 4300750022	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-31D-12-17	31	120S	170E 4300750023	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-31D-12-17	31	120S	170E 4300750024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-31D-12-17	31	120S	170E 4300750025	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-31D-12-17	31	120S	170E 4300750026	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-31D-12-17	31	120S	170E 4300750027	2470 Federal	ĞW	P	PETERS POINT
PETERS POINT U FED 14A-31D-12-17	31	120S	170E 4300750028	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-25D-12-16	25	120S	160E 4300750029	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-6D-13-17	31	120S	170E 4300750033	2470 Federal	GW	P	PETERS POINT

PETERS POINT U FED 10-25D-12-16	25	120S	160E 4300750035	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-36D-12-16	36	120S	160E 4300750037	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-36D-12-16	36	120S	160E 4300750038	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-1D-13-16	36	120S	160E 4300750039	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-1D-13-16	36	120S	160E 4300750040	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E 4300750041	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E 4300750042	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E 4300750043	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E 4300750044	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E 4300750045	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E 4300750046	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E 4300750047	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E 4300750048	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E 4300750049	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E 4300750050	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E 4300750051	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E 4300750052	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E 4300750052	14794 Federal	GW	P	PRICKLY PEAR
	21	120S	150E 4300750054	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E 4300750054	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E 4300750057	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E 4300750057	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8A-21D-12-15				14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-8D-12-15	08	120S	150E 4300750059	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-8D-12-15	08	120S	150E 4300750060		GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-17D-12-15	08	120S	150E 4300750061	14794 Federal	GW GW	r P	PRICKLY PEAR
PRICKLY PEAR U FED 1A-17D-12-15	08	120S	150E 4300750062	14794 Federal	GW	P	PETERS POINT
PETERS POINT U FED 3A-34D-12-16	27	120S	160E 4300750063	2470 Federal		r P	PETERS POINT
PETERS POINT U FED 4A-34D-12-16	27	120S	160E 4300750064	2470 Federal	GW		PETERS POINT
PETERS POINT U FED 12-27D-12-16	27	120S	160E 4300750065	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-27D-12-16	27	120S	160E 4300750066	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-27D-12-16	27	120S	160E 4300750067	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-27D-12-16	27	120S	160E 4300750068	18204 Federal	GW	P	DETERG BOINT
PETERS POINT U FED 14A-27D-12-16	27	120S	160E 4300750069	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E 4300750076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E 4300750077	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E 4300750078	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E 4300750079	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E 4300750080	14794 Federal	GW	P -	PRICKLY PEAR
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E 4300750081	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E 4300750082	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E 4300750083	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR Ú FED 6-17D-12-15	17	120S	150E 4300750084	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E 4300750085	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E 4300750086	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E 4300750087	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E 4300750088	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E 4300750089	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E 4300750090	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E 4300750091	14794 Federal	GW	P	PRICKLY PEAR

PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E 4300750098	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E 4300750099	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E 4300750100	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E 4300750101	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E 4300750102	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E 4300750104	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E 4300750105	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E 4300750106	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E 4300750107	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 5-31D-12-17	36	120S	160E 4300750109	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 6-31D-12-17	36	120S	160E 4300750116	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 9X-36D-12-16	36	120S	160E 4300750117	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 1-36D-12-16	36	120S	160E 4300750118	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-6D-13-17	06	130S	170E 4300750119	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-31D-12-17	06	130S	170E 4300750123	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E 4300750136	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E 4300750137	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E 4300750138	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E 4300750139	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16A-8D-12-15	08	120S	150E 4300750140	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15A-8D-12-15	08	120S	150E 4300750141	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13A-9D-12-15	08	120S	150E 4300750142	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13-9D-12-15	08	120S	150E 4300750142	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR OF 13-9D-12-15 PRICKLY PEAR UF 12-9D-12-15	08	120S	150E 4300750144	14794 Federal	GW	P	PRICKLY PEAR
	08	120S	150E 4300750145	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 10-8D-12-15	08	120S	150E 4300750145	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-8D-12-15	08	120S	150E 4300750147	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 2A-17D-12-15			170E 4300750151	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 12-5D-13-17	06	1308	170E 4300750151	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 13-5D-13-17	06	130S	4	18347 Federal	GW	r P	PETERS POINT
PETERS POINT UF 13-30D-12-17	30	120S	170E 4300750153	18350 Federal	GW	r P	PETERS POINT
PETERS POINT UF 14-30D-12-17	30	120S	170E 4300750154			P P	PETERS POINT
PETERS POINT UF 12-30D-12-17	30	1208	170E 4300750155	18346 Federal	GW	_	PETERS POINT PETERS POINT
PETERS POINT UF 11-30D-12-17	30	120S	170E 4300750156	18348 Federal	GW	P	
PETERS POINT UF 3-31D-12-17	30	120S	170E 4300750157	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 2-31D-12-17	30	120S	170E 4300750158	18349 Federal	GW	P	PETERS POINT
PETERS POINT UF 16-25D-12-16	30	120S	170E 4300750159	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 9-25D-12-16	30	120S	170E 4300750160	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E 4300750171	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E 4300750173	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E 4300750174	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E 4300750175	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E 4300750176	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-9D-12-15	09	120S	150E 4300750195	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16-9D-12-15	09	120S	150E 4300750202	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8-14D-12-15	14	120S	150E 4300750216	18289 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15-14D-12-15	14	120S	150E 4300750221	18290 Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 7X-36D-12-16	36	120S	160E 4300750231	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 8-36D-12-16	36	120S	160E 4300750232	2470 Federal	GW	P	PETERS POINT
PETERS POINT ST 6-2D-13-16	02	130S	160E 4300731017	14472 State	D	PA	

PTS 33-36 STATE	36	110S	140E 4301330486	6190 State	GW	PA	ARGYLE
PRICKLY PEAR U FED 10-4	10	120S	140E 4300730823	14462 Federal	GW	S	
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E 4300730860	14853 Fee	GW	S	
PRICKLY PEAR U ST 5-16	16	120S	150E 4300730943	14794 State	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E 4300730985	14771 Federal	GW	S	
PETERS POINT ST 8-2D-13-16	02	130S	160E 4300731016	14471 State	GW	S	
PPU FED 4-35D-12-15	35	120S	150E 4300731285	16223 Federal	GW	S	PRICKLY PEAR
PPU FED 5-36D-12-16	36	120S	160E 4300731350	2470 Federal	GW	S	PETERS POINT
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E 4300750103	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 13A-17D-12-15	20.	120S	150E 4300750108	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E 4300750172	14794 Federal	GW	S	PRICKLY PEAR